

**Estrogen Receptor (ER, Clone: 6F11), IHC-Paraffin Staining Report**

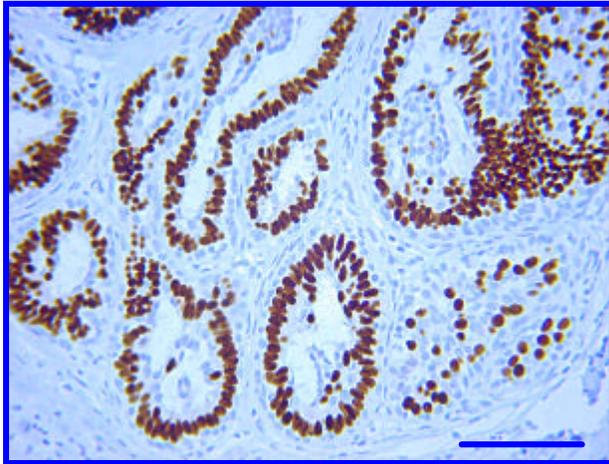
<b>Target Antigen:</b>	Estrogen Receptor (ER, Clone: 6F11)
<b>Catalog or ID #:</b>	IHC2057
<b>Host and Isotype:</b>	Mouse IgG1
<b>Clone:</b>	Clone: 6F11
<b>Purity and Method:</b>	Tissue culture supernatant
<b>Concentration and Quantity:</b>	Prediluted
<b>Storage Conditions:</b>	2-4.0°C refrigerated
<b>Species Reactivity:</b>	Human. Reactivity with other species has not been tested
<b>IHC-Paraffin Fixation Tested:</b>	10% neutral Buffered Formalin
<b>IHC-Paraffin Titer:</b>	N/A
<b>IHC-Paraffin Pretreatment(s):</b>	Heat Induced Epitope Retrieval (HIER): Recommend Citrate Buffer, pH 6.0 and EDTA, pH 8.0. Staining is lighter with no HIER and TE Buffer, pH 9.0.
<b>IHC-Paraffin Protocol:</b>	<b>IHC-Select, HRP-DAB</b> (Brief Outline): Blocking Reagent for 5 min. Primary Antibody (or Negative Control Reagent) for 10 min. Biotinylated Secondary Antibody for 10 min. Streptavidin-HRP for 10 min. DAB for 10 min. Hematoxylin for 1 min.
<b>Positive Tissue(s):</b>	Lobular and tubular breast carcinoma and endometrial cancers. In normal tissues, reacts with mammary gland and uterus.
<b>Subcellular Location(s):</b>	N-terminal domain (A/B region) with a nuclear staining pattern with little or no cytoplasmic reactivity.
<b>Negative Tissue(s):</b>	Non-estrogen dependent tissues.
<b>Comments and References:</b>	Staining is as expected since specific staining was restricted to the nuclei of carcinoma cells and hyperplastic mammary epithelium.



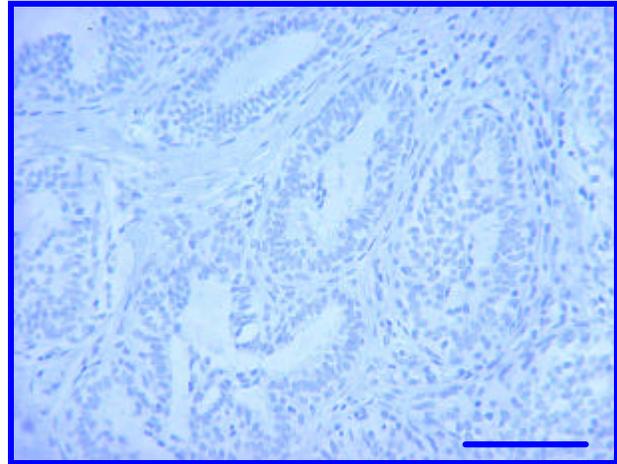
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**IHC – Paraffin Staining Examples:**

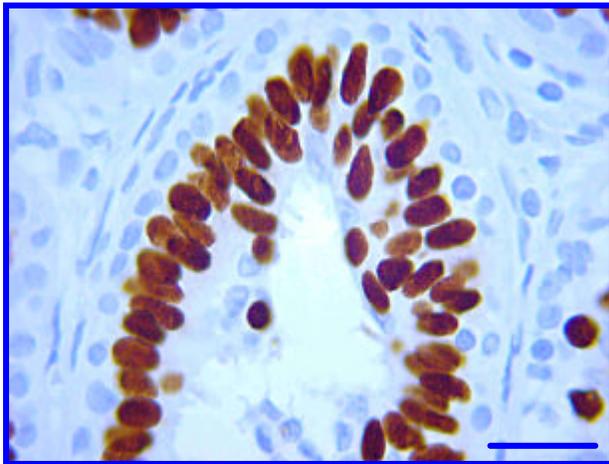
**Pictures of Optimal Staining With Citrate Buffer Epitope Retrieval: Human Breast Carcinoma**



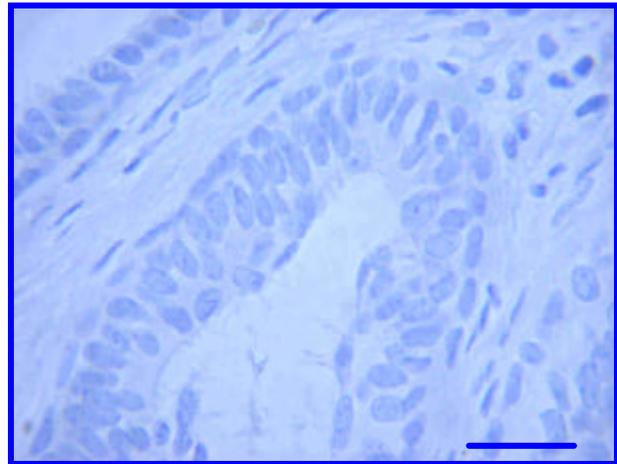
Estrogen Receptor (IHC2057, Clone: 6F11) staining of Human Breast Carcinoma. Tissue pretreated with Citrate Buffer, pH 6.0, prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stain strongly (brown), with no background. Bar = 100 $\mu$ m.



Negative Control staining of Human Breast Carcinoma. Tissue pretreated with Citrate Buffer, pH 6.0, Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 100 $\mu$ m.



Estrogen Receptor (IHC2057, Clone: 6F11) staining of Human Breast Carcinoma. Tissue pretreated with Citrate Buffer, pH 6.0, prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stain strongly (brown) with no background. Bar = 25 $\mu$ m.



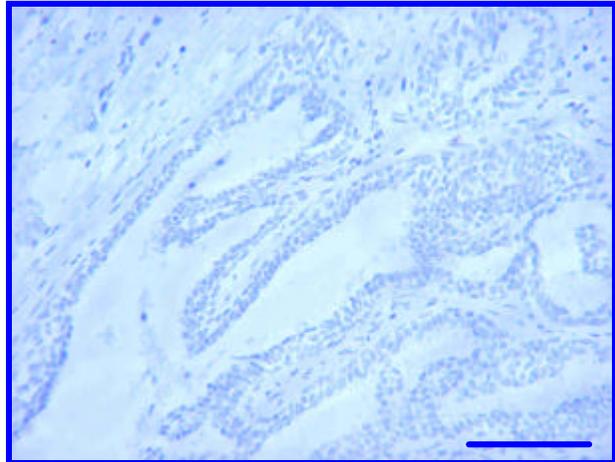
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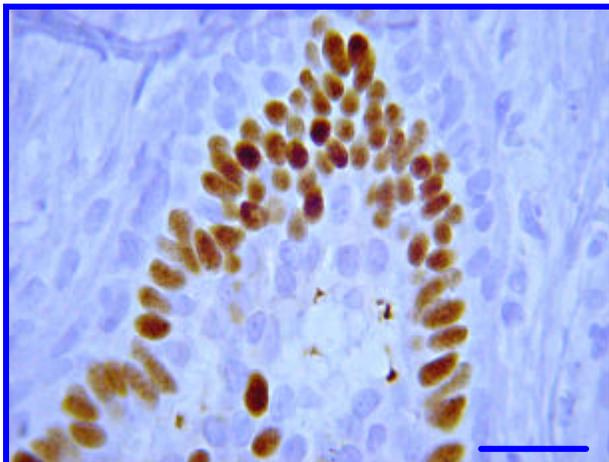
**Pictures of Optimal Staining With EDTA Epitope retrieval: Human Breast Carcinoma**



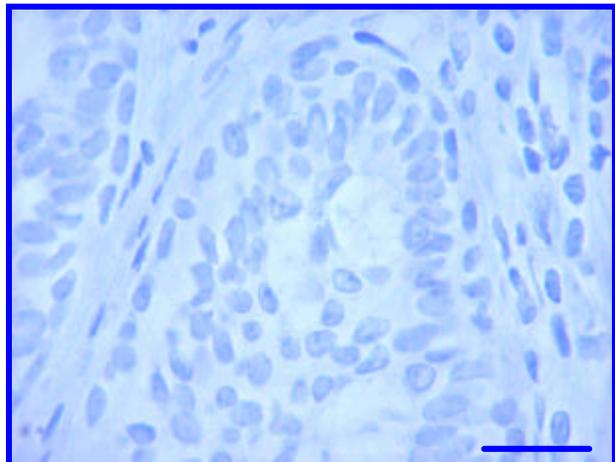
Estrogen Receptor (IHC2057, Clone: 6F11) staining of Human Breast Carcinoma. Tissue pretreated with EDTA, pH 8.0, prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stain strongly (brown). Bar = 50µm.



Negative Control staining of Human Breast Carcinoma. Tissue pretreated with EDTA, pH 8.0, Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 50µm.



Estrogen Receptor (IHC2057, Clone: 6F11) staining of Human Breast Carcinoma. Tissue pretreated with EDTA, pH 8.0, prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stain strongly (brown). Bar = 25µm.



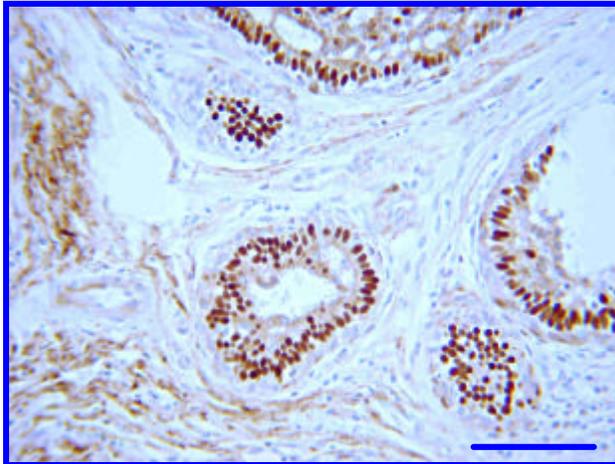
Negative Control staining of Human Breast Carcinoma. Tissue pretreated with EDTA, pH 8.0, Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 25µm.



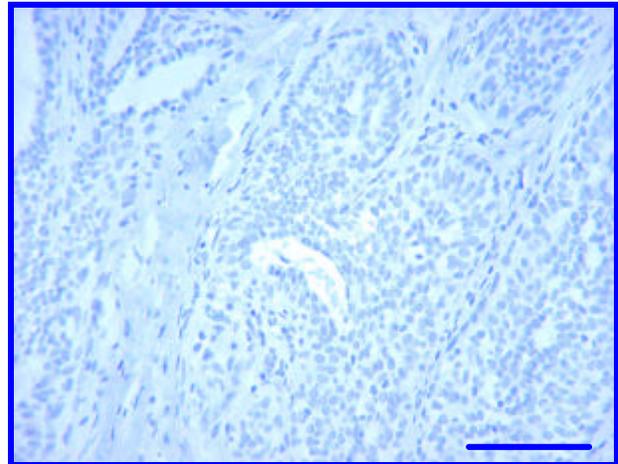
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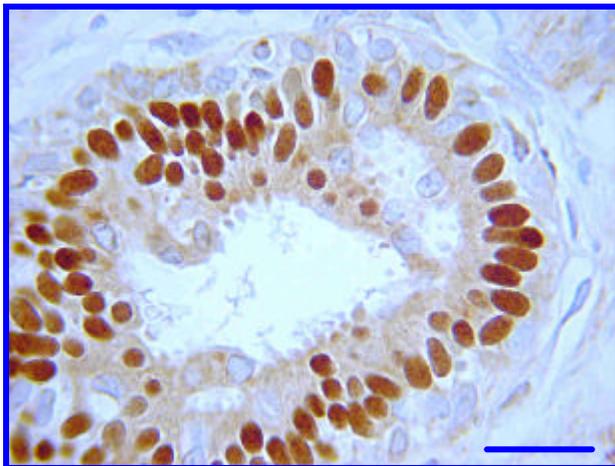
**Pictures of Staining Without Epitope Retrieval: Human Breast Carcinoma**



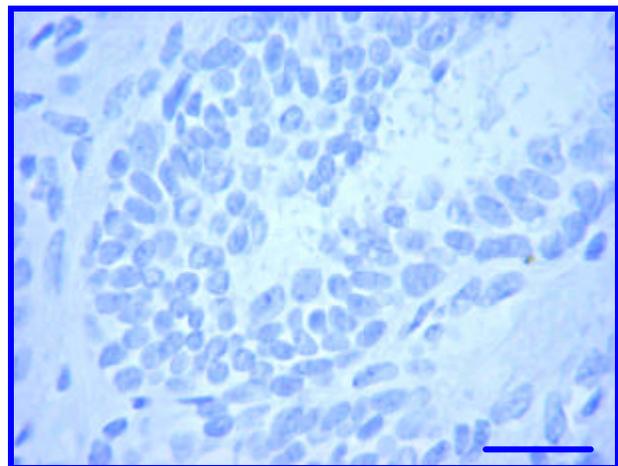
Estrogen Receptor (IHC2057, Clone: 6F11) staining of Human Breast Carcinoma. Tissue without Epitope retrieval, prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stained (brown) with diffusive background. Bar = 100 $\mu$ m.



Negative Control staining of Human Breast Carcinoma. Tissue without Epitope retrieval, Negative Control Reagent IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 100 $\mu$ m.



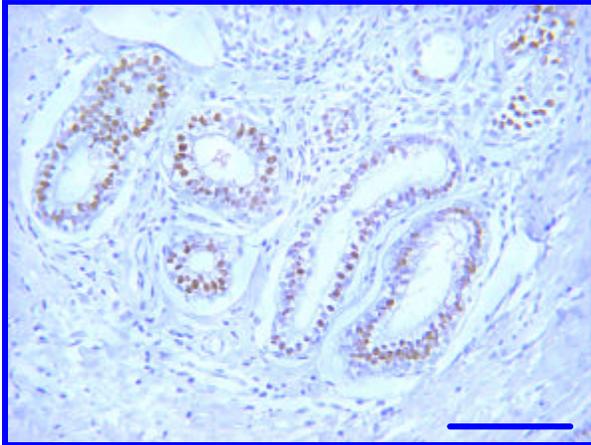
Estrogen Receptor (IHC2057, Clone: 6F11) staining of Human Breast Carcinoma. Tissue without Epitope retrieval, prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stained (brown), with diffusive background. Bar = 25 $\mu$ m.



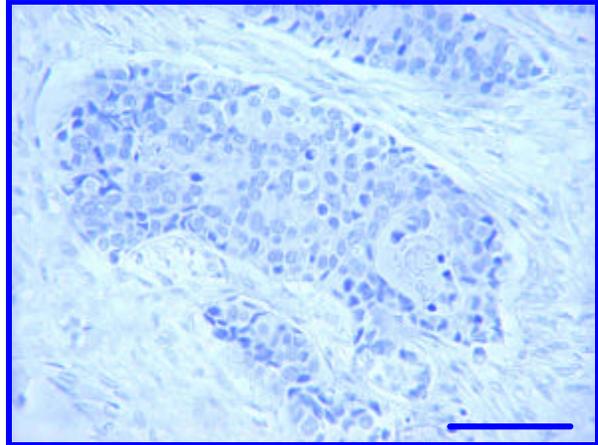
Negative Control staining of Human Breast Carcinoma. Tissue without Epitope retrieval, Negative Control Reagent IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 25 $\mu$ m.

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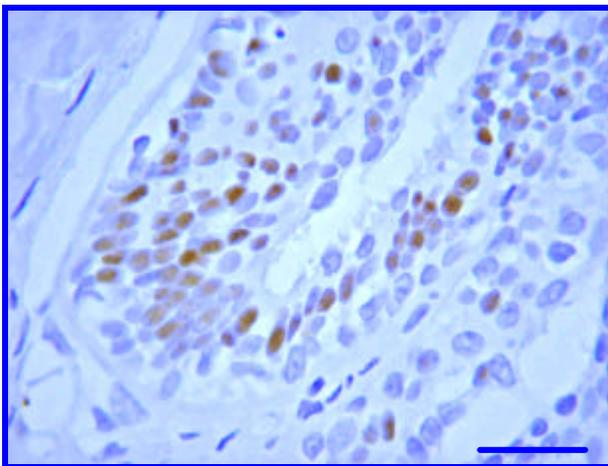
**Pictures of Light Staining With TE Buffer Epitope Retrieval: Human Breast Carcinoma**



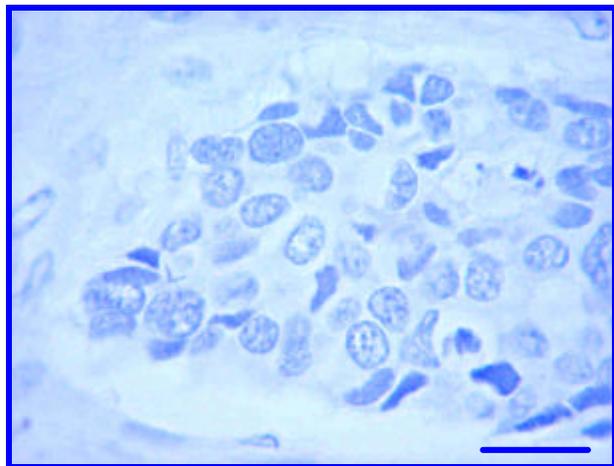
Estrogen Receptor (IHC2057, Clone: 6F11) staining of Human Breast Carcinoma. Tissue pretreated with TE Buffer, pH 9.0, prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stain lightly (brown). Bar = 100 $\mu$ m.



Negative Control staining of Human Breast Carcinoma. Tissue pretreated with TE Buffer, pH 9.0, Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 100 $\mu$ m.



Estrogen Receptor (IHC2057, Clone: 6F11) staining of Human Breast Carcinoma. Tissue pretreated with TE Buffer, pH 9.0, prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stain lightly (brown). Bar = 25 $\mu$ m.



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