

Chromogranin A, IHC-Paraffin Staining Report

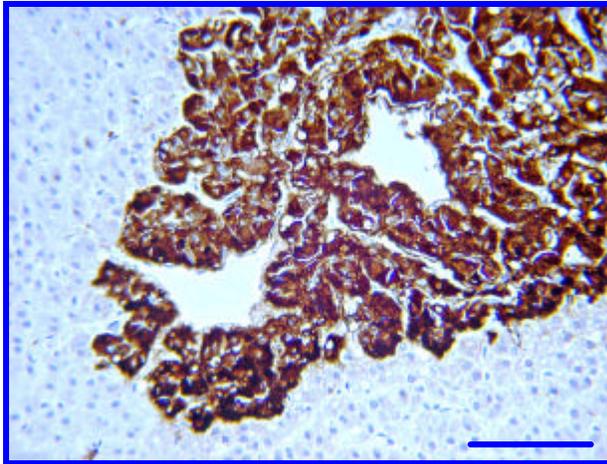
Target Antigen:	Chromogranin A
Catalog or ID #:	IHC2096
Host and Isotype:	IgG ₁
Clone	PHES
Purity and Method:	Affinity purified
Concentration and Quantity:	Prediluted
Storage Conditions:	2-4.0°C refrigerated
Species Reactivity:	Human. Reactivity with other species has not been confirmed.
IHC-Paraffin Fixation Tested:	10% neutral Buffered Formalin
IHC-Paraffin Titer:	N/A
IHC-Paraffin Pretreatment(s):	Heat Induced Epitope Retrieval (HIER): Recommend no HIER. Over staining can be achieved if Citrate Buffer, pH 6.0, or EDTA, pH 8.0 or TE Buffer, pH 9.0 is used.
IHC-Paraffin Protocol:	IHC-Select, HRP-DAB (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.
Positive Tissue(s):	Adrenal gland, normal bowel, tissue from stomach, small or large intestine can be used and normal thyroid.
Subcellular Location(s):	In normal tissues, chromogranin A is widely expressed in neuronal tissues and secretory granules of human endocrine cells. Fine granular cytoplasmic staining.
Negative Tissue(s):	Tissues containing epithelial cells and smooth muscle.
Comments and References:	Staining is as expected. In Adrenal gland, specific immunoreactivity was restricted to the medulla exhibiting an intense fine granular cytoplasmic staining; in contrast to the cortex which was negative.



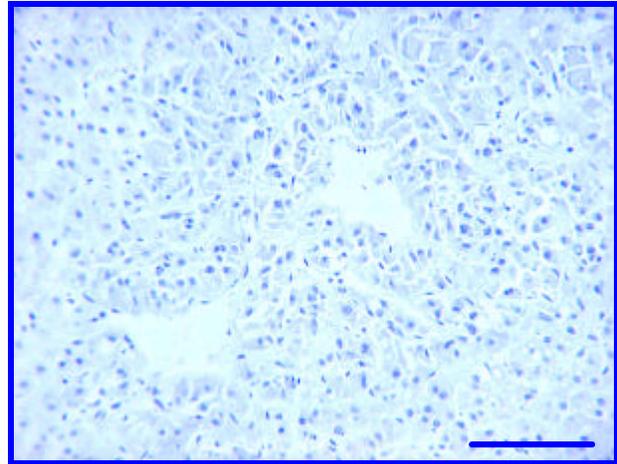
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IHC – Paraffin Staining Examples:

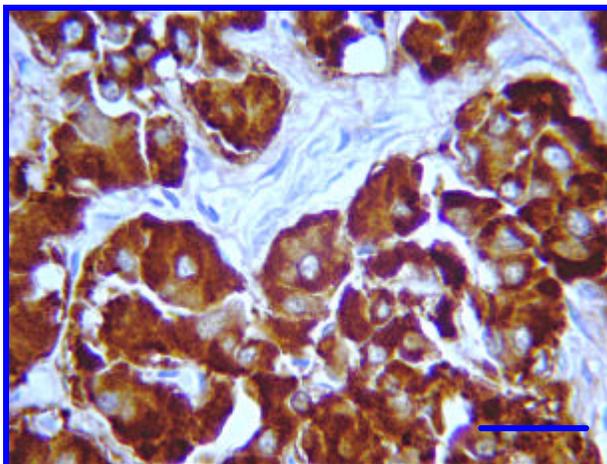
Pictures of Optimal Staining Without Epitope Retrieval: Human Adrenal Gland



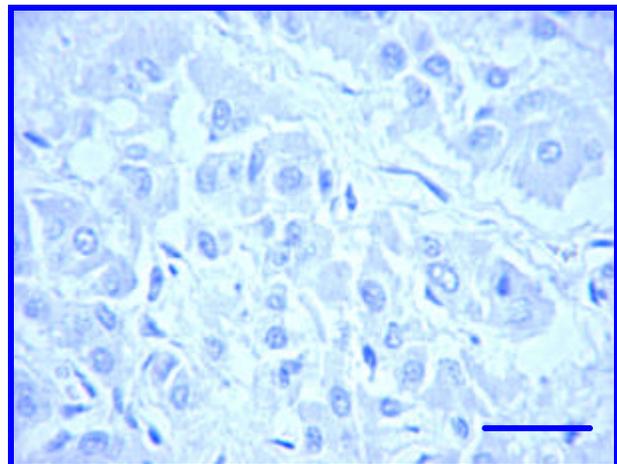
Chromogranin A (IHC2096, Clone: PHES) staining of Adrenal gland. Tissue without Epitope retrieval. Prediluted polyclonal antibody, IHC-Select Detection with HRP-DAB. Medulla shows intense immunoreactivity (brown) with no background. Bar = 100 μ m.



Negative Control staining of Adrenal gland. Tissue without Epitope retrieval. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 100 μ m.



Chromogranin A (IHC2096, Clone: PHES) staining of Adrenal gland. Tissue without Epitope retrieval. Prediluted polyclonal antibody, IHC-Select Detection with HRP-DAB. Medulla shows intense immunoreactivity (brown) with no background. Bar = 25 μ m.



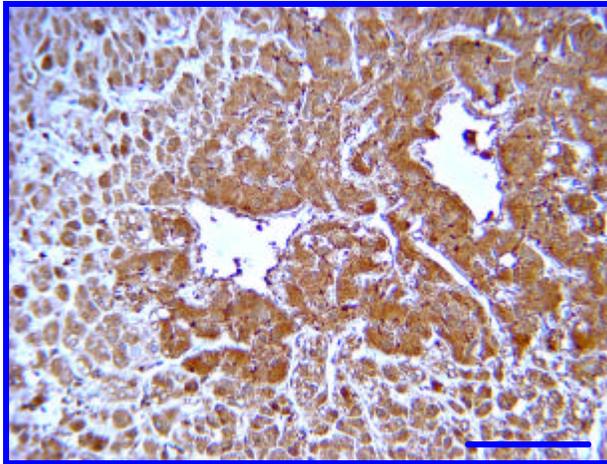
Negative Control staining of Adrenal gland. Tissue without Epitope retrieval. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 25 μ m.



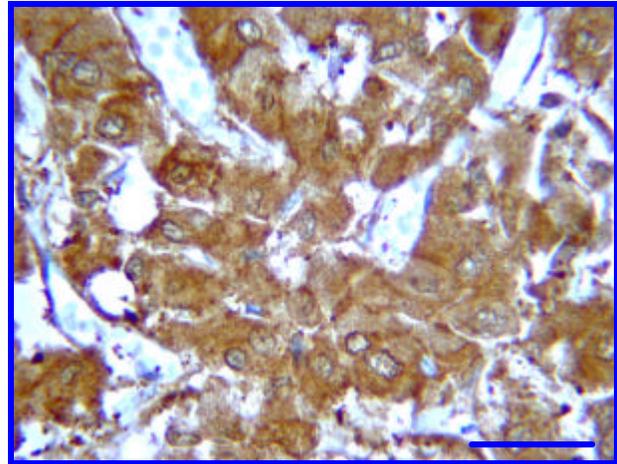
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IHC – Paraffin Staining Examples:

Pictures of Over Staining With Citrate Buffer Epitope Retrieval: Human Adrenal Gland

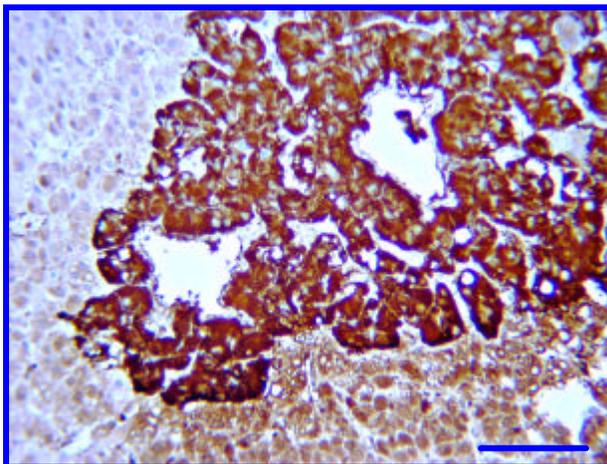


Chromogranin A (IHC2096, Clone: PHES) staining of Adrenal gland. Tissue pretreated with Citrate Buffer, pH 6.0. Prediluted polyclonal antibody, IHC-Select Detection with HRP-DAB. Medulla shows intense staining (brown) with diffusive background. Bar = 100 μ m.

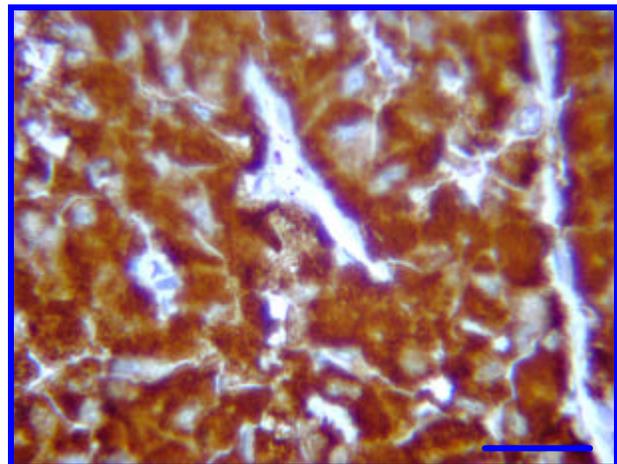


Chromogranin A (IHC2096, Clone: PHES) staining of Adrenal gland. Tissue pretreated with Citrate Buffer, pH 6.0. Prediluted polyclonal antibody, IHC-Select Detection with HRP-DAB. Medulla shows intense staining (brown) with diffusive background. Bar = 25 μ m.

Pictures of Over Staining With EDTA Epitope Retrieval: Human Adrenal Gland



Chromogranin A (IHC2096, Clone: PHES) staining of Adrenal gland. Tissue pretreated with EDTA, pH 8.0. Prediluted polyclonal antibody, IHC-Select Detection with HRP-DAB. Medulla shows intense staining (brown) with diffusive background. Bar = 100 μ m.



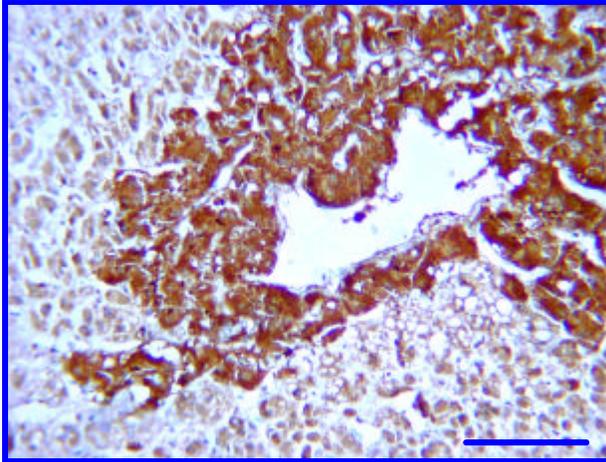
Chromogranin A (IHC2096, Clone: PHES) staining of Adrenal gland. Tissue pretreated with EDTA, pH 8.0. Prediluted polyclonal antibody, IHC-Select Detection with HRP-DAB. Medulla shows intense staining (brown) with diffusive background. Bar = 25 μ m.



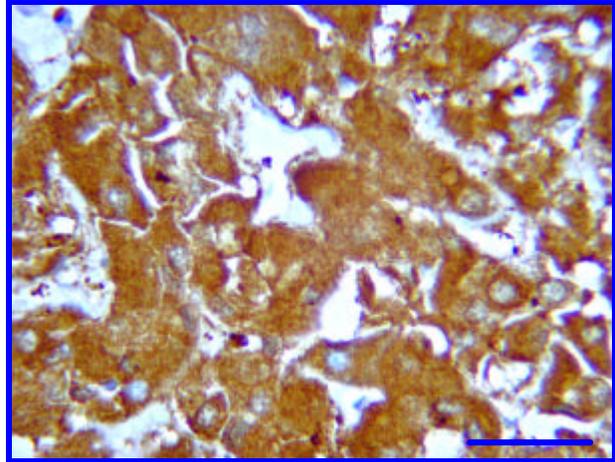
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IHC – Paraffin Staining Examples:

Pictures of Over Staining With TE Buffer Epitope Retrieval: Human Adrenal Gland



Chromogranin A (IHC2096, Clone: PHES) staining of Adrenal gland. Tissue pretreated with TE Buffer, pH 9.0. Prediluted polyclonal antibody, IHC-Select Detection with HRP-DAB. Medulla shows intense staining (brown) with diffusive background. Bar = 100 μ m.



Chromogranin A (IHC2096, Clone: PHES) staining of Adrenal gland. Tissue pretreated with TE Buffer, pH 9.0. Prediluted polyclonal antibody, IHC-Select Detection with HRP-DAB. Medulla shows intense staining (brown) with diffusive background. Bar = 25 μ m.