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anti-USP20 antibody (Internal Region)





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50 µg
USP20
Internal Region
Human, Dog, Rabbit, Horse, Hamster
Rabbit
Polyclonal
Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
IHC-plus™
Synthetic 18 amino acid peptide from internal region of human USP20. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Hamster, Elephant, Dog, Horse, Rabbit (100%), Orangutan, Marmoset, Mouse, Rat, Panda, Bat, Bovine, Pig (94%), Opossum, Platypus (89%), Turkey, Chicken (83%).
Type of Immunogen: Synthetic peptide
Human USP20. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Product Details Purification: Immunoaffinity purified Target Details Target: USP20 Alternative Name VDU2 / USP20 (USP20 Products) Background: Name/Gene ID: USP20 Subfamily: Cysteine C19 Family: Protease Synonyms: USP20, Deubiquitinating enzyme 20, Ubiquitin specific protease 20, Ubiquitin thioesterase 20, HVDU2, KIAA1003, LSFR3A, Ubiquitin thiolesterase 20, VDU2 Gene ID: 10868 Pathways: Regulation of G-Protein Coupled Receptor Protein Signaling **Application Details** Application Notes: Approved: IHC, IHC-P (10 µg/mL) Comment: Target Species of Antibody: Human Assay Procedure: The IHC-pro Immunohistochemistry Protocol **Tissue Preparation** Formalin fixation and embedding in paraffin wax **Tissue Sectioning** Make 4-µm sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C Deparaffinization Wash slides in 3 changes of xylene - 5 minutes each at room temperature. Rehydration Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature. Wash slides in 2 changes of 95% alcohol - 3 minutes each at room temperature. Wash slides in 1 change of 80% alcohol - 3 minutes at room temperature. Rinse slides in gentle running distilled water – 5 minutes at room temperature.

Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water - 1 minute at room temperature.

Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

Restrictions:

For Research Use only

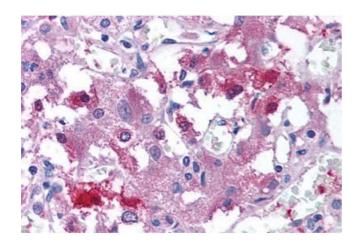
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide

Handling

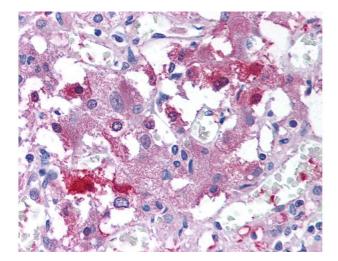
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-USP20 antibody ABIN1049451 IHC staining of human adrenal medulla. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-USP20 antibody IHC of human adrenal medulla. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval.