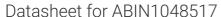
antibodies -online.com







anti-DRD3 antibody (Cytoplasmic Domain)

Images



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Quantity:	50 μg
Target:	DRD3
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Mouse, Dog, Horse, Pig, Monkey, Bat, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DRD3 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™	
Immunogen:	Synthetic 18 amino acid peptide from 3rd cytoplasmic domain of human DRD3 / Dopamine Receptor D3. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gibbon, Monkey, Marmoset, Mouse, Dog, Bat, Hamster, Panda, Horse, Pig (100%), Rat, Rabbit (94%), Elephant (89%).	
	Type of Immunogen: Synthetic peptide	
Specificity:	Human DRD3 / Dopamine Receptor D3. BLAST analysis of the peptide immunogen showed no homology with other human proteins.	
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gibbon, Monkey, Marmoset, Mouse, Dog, Bat, Hamster, Panda, Horse, Pig (100%) Rat, Rabbit (94%) Elephant	

Product Details (89%). Purification: Immunoaffinity purified **Target Details** DRD3 Target: DRD3 / Dopamine Receptor D3 (DRD3 Products) Alternative Name: Background: Name/Gene ID: DRD3 Subfamily: Dopamine Family: GPCR Synonyms: DRD3, D3 dopamine receptor, D3DR, Dopamine 3 receptor, Dopamine receptor D3, D3nf, Essential tremor 1, ETM1, FET1, D(3) dopamine receptor, Dopamine D3 receptor Gene ID: 1814 Pathways: Regulation of Systemic Arterial Blood Pressure by Hormones, cAMP Metabolic Process, Regulation of G-Protein Coupled Receptor Protein Signaling, Proton Transport, Negative Regulation of Transporter Activity **Application Details Application Notes:** Approved: IHC, IHC-P (16 - 32 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

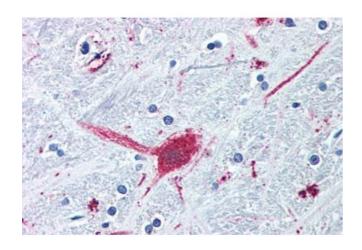
Format:

Liquid

Handling

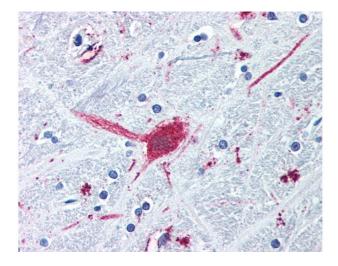
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted 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-DRD3 / Dopamine Receptor D3 antibody ABIN1048517 IHC staining of human brain, globus pallidus. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-DRD3 / Dopamine Receptor D3 antibody IHC of human brain, globus pallidus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.