Datasheet for ABIN213460

anti-Dopamine Receptor d1 antibody (C-Term)

2 Images

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Overview

Quantity:	50 µg
Target:	Dopamine Receptor d1 (DRD1)
Binding Specificity:	C-Term
Reactivity:	Human, Monkey, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dopamine Receptor d1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 15 amino acid peptide from C-terminal cytoplasmic domain of human DRD1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Elephant, Rabbit (100%), Mouse, Rat, Sheep, Bat, Bovine, Hamster, Panda, Pig, Opossum (93%). Type of Immunogen: Synthetic peptide
Specificity:	Human DRD1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Elephant, Rabbit (100%) Mouse, Rat, Sheep, Bat, Bovine, Hamster, Panda, Pig,

Product Details

	Opossum (93%).
Purification:	Immunoaffinity purified

Target Details

Target:	Dopamine Receptor d1 (DRD1)
Alternative Name:	DRD1 / Dopamine Receptor D1 (DRD1 Products)
Background:	Name/Gene ID: DRD1 Subfamily: Dopamine Family: GPCR Synonyms: DRD1, D(1A) dopamine receptor, D1a dopamine receptor, Dopamine d-1 receptor, Dopamine receptor d1a, DRD1A, DADR, Dopamine d1a receptor, Dopamine receptor D1, Dopamine 1 receptor, Dopamine type 1 receptor, D-1 dopamine receptor, D1 dopamine receptor, D1a receptor, Dopamine D1 receptor
Gene ID:	1812
Pathways:	cAMP Metabolic Process, Inositol Metabolic Process, Protein targeting to Nucleus, Feeding Behaviour, Smooth Muscle Cell Migration, Regulation of long-term Neuronal Synaptic Plasticity

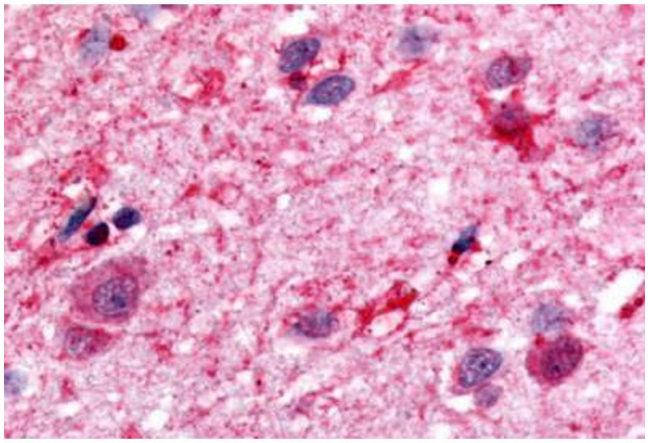
Application Details

Application Notes:	Approved: ELISA, IHC, IHC-P (1 - 5 µg/mL) Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 1-5 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

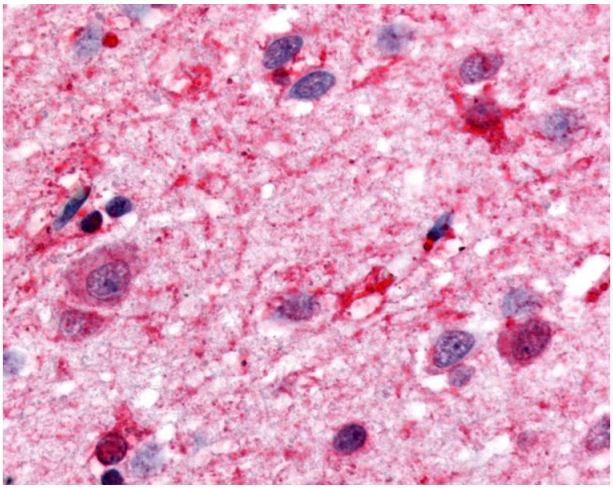
Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and 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 (Paraffin-embedded Sections)

Image 1. Human Brain (formalin-fixed, paraffin-embedded) stained with DRD1 antibody ABIN213460 at 1-5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-DRD1 antibody IHC of human brain. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.