

Anti-DRD1/Dopamine Receptor D1 Rabbit Monoclonal Antibody

Catalog # ABO13535

Product Information

Application	WB
Primary Accession	P21728
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-DRD1/Dopamine Receptor D1 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

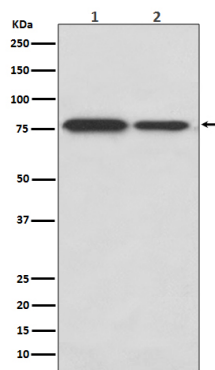
Additional Information

Gene ID	1812
Other Names	D(1A) dopamine receptor, Dopamine D1 receptor, DRD1
Calculated MW	49293
Application Details	WB 1:500-1:2000
Subcellular Localization	Cell membrane ; Multi-pass membrane protein. Endoplasmic reticulum membrane ; Multi-pass membrane protein. Transport from the endoplasmic reticulum to the cell surface is regulated by interaction with DNAJC14..
Tissue Specificity	Detected in caudate, nucleus accumbens and in the olfactory tubercle..
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AAEA-4
Immunogen	A synthesized peptide derived from human DRD1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	DRD1
Function	Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase. Forms heterotetramers with DRD3 to potentiate beta-arrestin recruitment and mediate locomotor activity.
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P18901}; Multi-pass membrane protein {ECO:0000250 UniProtKB:P18901}. Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:P18901}; Multi-pass membrane protein {ECO:0000250 UniProtKB:P18901}. Cell projection, cilium membrane; Multi-pass membrane protein. Cell projection, dendrite {ECO:0000250 UniProtKB:Q61616}. Cell projection, dendritic spine {ECO:0000250 UniProtKB:Q61616}. Note=Transport from the endoplasmic reticulum to the cell surface is regulated by interaction with DNAJC14 {ECO:0000250 UniProtKB:P18901}
Tissue Location	Detected in caudate, nucleus accumbens and in the olfactory tubercle.

Images



Western blot analysis of DRD1 expression in (1) SH-SY5Y cell lysate; (2) Mouse kidney lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.