

Rabbit Delta Opioid Monoclonal Antibody | anti-OPRD1 antibody

Delta Opioid Receptor Antibody

CATALOG # AAA312314	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

Delta Opioid; Monoclonal Antibody; Delta Opioid Receptor Antibody; D-OR-1 antibody; Delta type opioid receptor antibody; Delta type opioid receptor DOR 1 antibody; Delta type opioid receptor DOR1 antibody; Delta-type opioid receptor antibody; DOR 1 antibody; DOR-1 antibody; DOR1 antibody; mDOR antibody; Nbor antibody; Opioid receptor delta 1 antibody; OPRD 1 antibody; OPRD antibody; OPRD_HUMAN antibody; Oprd1 antibody; anti-OPRD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SN20-04
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-OPRD1 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of SH-SY-5Y cells with OPRD1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



WB (Western Blot)

Western blot analysis of OPRD1 on different lysates using anti-OPRD1 antibody at 1/1, 000 dilution. Positive control: Lane 1: HUVEC Lane 2: Rat brain

ADDITIONAL INFORMATION

Related Product Information for anti-OPRD1 antibody

Endogenous opioid peptides and opiates, like morphine, transmit their pharmacological effects through membrane bound opioid receptors. Pharmacological studies and molecular cloning have led to the identification of three different types of opioid receptor, mu-type, delta-type and kappa-type, also designated MOR-1, DOR-1 and KOR-1, respectively. MOR-1 is a receptor for beta-endorphin, DOR-1 is a receptor for enkephalins, and KOR-1 is a receptor for dynorphins. The three opioid receptor types are highly homologous and belong to the superfamily of G protein-coupled receptors. Opioid receptors have been shown to modulate a range of brain functions, including instinctive behavior and emotions. This regulation is thought to involve the inhibition of neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance.

NCBI AND UNIPROT INFORMATION

NCBI GI #	63477962
NCBI GeneID	4985
NCBI Accession #	NP_000902.3
NCBI GenBank Nucleotide #	NM_000911.3
UniProt Accession #	P41143; B5B0B8
Molecular Weight	40,369 Da
NCBI Official Full Name	delta-type opioid receptor
NCBI Official Synonym Full Names	opioid receptor, delta 1
NCBI Official Symbol	OPRD1
NCBI Official Synonym Symbols	OPRD
NCBI Protein Information	delta-type opioid receptor; DOR-1; D-OR-1; delta opioid receptor 1
UniProt Protein Name	Delta-type opioid receptor
UniProt Gene Name	OPRD1
UniProt Synonym Gene Names	OPRD; D-OR-1; DOR-1
UniProt Entry Name	OPRD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/delta-opioid-antibody-clone-sn20-04-flow-cytometry-western-blot-elisa/312314>