SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-Dopamine D3 receptor/AP Conjugated antibody

SL1743R-AP

Product Name	Anti-Dopamine D3 receptor/AP
Chinese Name	碱性磷酸酶（AP）标记的多巴胺受体 D3 抗体
Alias	DRD3; 3dopamine receptor; D; Dopamine receptor D3; DRD3; Dopamine receptor 3; ETM1; FET1; D(3) dopamine receptor; DRD3; DRD3_HUMAN.
Research Area	Cell biology Neurobiology The cell membrane 受体
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	44kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from mouse DRD3
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** This is one of the five types (D1 to D5) of receptors for dopamine. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase. This receptor is expressed in phylogenetically older regions of the brain, suggesting that it plays a role in cognitive and emotional functions. It is a target for drugs which treat schizophrenia, drug addiction, and Parkinson disease. Alternative

splicing of this gene results in multiple transcript variants that would encode different isoforms, although some variants may be subject to nonsense-mediated decay (NMD). Also known as: dopamine D3 receptor; 3 dopamine receptor; D; Dopamine receptor D3; DRD; ETM1; FET1.

Subunit:
Interacts with CLIC6. Interacts with GRK4. Interacts with PALM.

Subcellular Location:
Cell membrane; Multi-pass membrane protein. Note=Both membrane-bound and scattered in the cytoplasm during basal conditions. Receptor stimulation results in the rapid internalization and sequestration of the receptors at the perinuclear area (5 and 15 minutes), followed by the dispersal of the receptors to the membrane (30 minutes). DRD3 and GRK4 co-localize in lipid rafts of renal proximal tubule cells.

Tissue Specificity:
Brain.

Similarity:
Belongs to the G-protein coupled receptor 1 family.

Database links:

Entrez Gene: 1814 Human

Entrez Gene: 13490 Mouse

Entrez Gene: 29238 Rat

Omim: 126451 Human

SwissProt: P35462 Human

SwissProt: P30728 Mouse

SwissProt: P19020 Rat

Unigene: 121478 Human

Unigene: 439735 Mouse

Unigene: 10356 Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

多巴胺受体 D3 常与某些精神、神经疾病有关，如精神分裂症、早发性痴呆等。但最新研究表明多巴胺受体与 Tumour 细胞多药耐药有关。