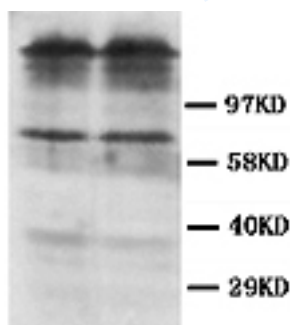


Rabbit polyclonal antibody to human D(1A) dopamine receptor (425-437): Affinity purified

Catalogue No.:	R-1139-100
Description:	D(1A) dopamine receptor (DRD1) is a multi-pass membrane protein that belongs to the G-protein coupled receptor 1 family. DRD1 is one of five receptors for dopamine. DRD1 stimulates adenylyl cyclase and activates cyclic AMP-dependent protein kinases. At least 2 isoforms exist arising from alternate transcription initiation sites.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (DYDTDVSLEKIQP) corresponding to a region (425-437) from human D(1A) dopamine receptor. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
Other Names:	DRD1;
Accession:	P21728 DRD1_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Western Blotting (WB). A concentration of 1.0 ug/mL is recommended for WB. Human DRD1 has a predicted length of 446 residues and a MW of 49 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB against the antigen.
Cross-reactivity:	Human; rat; predicted to react with mouse due to sequence homology;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase



Western blot analysis of rabbit polyclonal antibody to human D(1A) dopamine receptor (1µg/ml) in rat brain tissue lysate. Secondary HRP conjugated goat anti-rabbit IgG antibody (working dilution: 1:3000-10000).

FOR RESEARCH USE ONLY