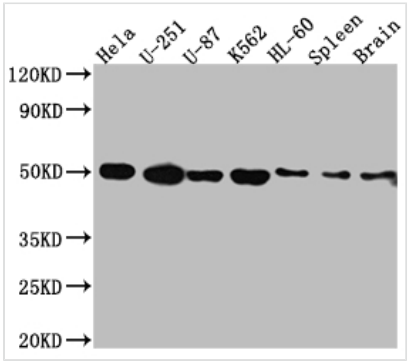
DRD3 Antibody

Product Code	CSB-RA929304A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P35462
Immunogen	A synthesized peptide derived from human Dopamine Receptor D3
Species Reactivity	Human, Rat
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	Dopamine receptor whose activity is mediated by G proteins which inhibit adenylyl cyclase. Promotes cell proliferation.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience
Gene Names	DRD3
Accession NO.	5B10

Image



Western Blot
Positive WB detected in: Hela whole cell lysate, U-251 whole cell lysate, U-87 whole cell lysate, K562 whole cell lysate, HL-60 whole cell lysate, Rat Spleen whole cell lysate, Rat Brain whole cell lysate
All lanes: Dopamine Receptor D3 antibody at 1:1000
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 45, 41 kDa
Observed band size: 50 kDa

Description

CUSABIO put the DRD3 monoclonal antibody DNA sequence into the plasmid, which was subsequently transfected into the cell line for expression. Immunizing mice with a synthetic peptide derived from human DRD3 produced the DRD3 monoclonal antibody. The recombinant DRD3 monoclonal antibody was obtained after the product was purified using affinity chromatography. It's a

rabbit IgG antibody. This DRD3 antibody has undergone ELISA and WB quality testing. It can bind to the DRD3 protein in both human and mouse samples.

DRD3 is associated with cognitive, affective, and endocrine activities and is found in the limbic parts of the brain. DRD3 facilitates natriuresis, especially when salt levels are high. Dopamine increases natriuresis in the kidney by blocking both proximal and distal tubule NaCl reabsorption via DRD3.