Anti-CDC25 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R011516

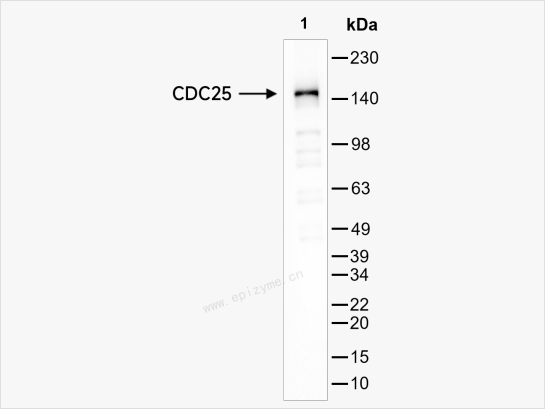
Product Information

Application	WB, ELISA
Reactivity	Rat
Dilution	WB 1:1,000~1:3,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	98L88L09
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human CDC25
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-CDC25 Rabbit mAb [98L88L09] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	GNRP; GRF1; CDC25; GRF55; CDC25L; H-GRF55; PP13187; ras-GRF1.
Calculated MW	Calculated MW: 145 kDa; Observed MW: 145 kDa
Uniprot ID	Q13972
Gene ID	5923
Background	The protein encoded by this gene is a guanine nucleotide exchange factor (GEF) similar to the Saccharomyces cerevisiae CDC25 gene product. Functional analysis has demonstrated that this protein stimulates the dissociation of GDP from RAS protein. The studies of the similar gene in mouse suggested that the Ras-GEF activity of this protein in brain can be activated by Ca2+ influx, muscarinic receptors, and G protein beta-gamma subunit. Mouse studies also indicated that the Ras-GEF signaling pathway mediated by this protein may be important for long-term memory. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Mar 2009]
Cellular Location	Cytosol; growth cone; neuron projectionSource; plasma membrane.
Tissue Location	General cytoplasmic expression.

Validation Images



Western Blot - Anti-CDC25 Rabbit mAb [98L88L09]
All lanes: R011516 at 1:3,000 dilution
Lane 1 : Rat brain whole tissue lysates
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Lysates/proteins at 10 µg per lane.
Predicted band size: 145 kDa
Observed band size: 145 kDa
Developed using the ECL technique (Cat. No. SQ201).