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TACR1 Recombinant Monoclonal Antibody

Product Code	CSB-RA555508A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P25103
Immunogen	A synthesized peptide derived from human Neurokinin 1 Receptor
Species Reactivity	Human, Mouse
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	This is a receptor for the tachykinin neuropeptide substance P. It is probably associated with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of affinity of this receptor to tachykinins is: substance P > substance K > neuromedin-K.
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
lsotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience
Gene Names	TACR1
Clone No.	1E5

Image



Description

The coding sequence for the TACR1 monoclonal antibody (isolated by immunizing animals with the synthesized peptide derived from human

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Neurokinin 1 Receptor) was cloned into the plasmids and then transfected into cell lines for in vitro expression. The product underwent affinity-chromatography-mediated purification to get the TACR1 recombinant monoclonal antibody. This TACR1 antibody is a rabbit IgG. It is suitable for the detection of TACR1 protein from human and mouse samples. And it can be used in ELISA and WB applications.

TACR1 is a neuronal transmitter, that, when activated by substance P (SP), is associated with inflammation, cell migration, tumoral angiogenesis, and cell proliferation upon activation by binding to substance P (SP). The SP-TACR1 receptor system has recently been considered a promising anticancer target in neuroblastoma (NB).