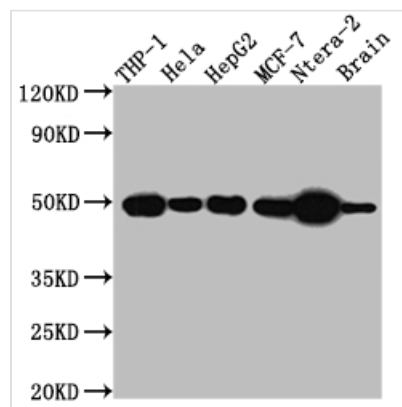




# TACR1 Antibody

<b>Product Code</b>	CSB-RA555508A0HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P25103
<b>Immunogen</b>	A synthesized peptide derived from human Neurokinin 1 Receptor
<b>Species Reactivity</b>	Human, Mouse
<b>Tested Applications</b>	ELISA, WB; Recommended dilution: WB:1:500-1:5000
<b>Relevance</b>	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.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Neuroscience
<b>Gene Names</b>	TACR1
<b>Accession NO.</b>	1E5

## Image



### Western Blot

Positive WB detected in: THP-1 whole cell lysate, HeLa whole cell lysate, HepG2 whole cell lysate, MCF-7 whole cell lysate, Ntera-2 whole cell lysate, Mouse Brain whole cell lysate  
All lanes: TACR1 antibody at 1:1000

### Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution  
Predicted band size: 47, 36 kDa  
Observed band size: 50 kDa

## Description

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



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).