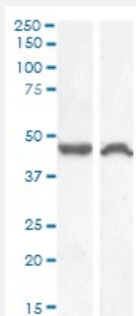


TACR1 polyclonal antibody

Catalog # PAB7270

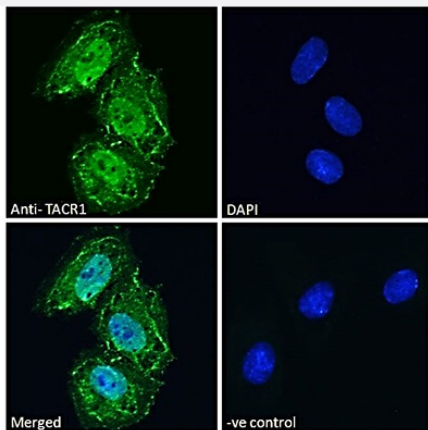
Size 100 ug

Applications



Western Blot (Tissue lysate)

TACR1 polyclonal antibody (Cat # PAB7270) (1 ug/mL) staining of HeLa (1) and (0.5 ug/mL) Neuro2a (2) cell lysate (35 ug protein in RIPA buffer). Detected by chemiluminescence.



Immunofluorescence

TACR1 polyclonal antibody (Cat # PAB7270) Immunofluorescence analysis of paraformaldehyde fixed Neuro2a cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear and plasma membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of TACR1.
Immunogen	A synthetic peptide corresponding to human TACR1.
Sequence	C-EIPGDSSDRYHEQ
Host	Goat
Theoretical MW (kDa)	46.3, 35.7

Reactivity	Human
Specificity	This antibody is expected to recognize both reported isoforms (NP_001049.1 and NP_056542.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:28000) Immunofluorescence (10 ug/mL) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

TACR1 polyclonal antibody (Cat # PAB7270) (1 ug/mL) staining of HeLa (1) and (0.5 ug/mL) Neuro2a (2) cell lysate (35 ug protein in RIPA buffer). Detected by chemiluminescence.

- Immunofluorescence

TACR1 polyclonal antibody (Cat # PAB7270) Immunofluorescence analysis of paraformaldehyde fixed Neuro2a cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear and plasma membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — TACR1

Entrez GeneID	6869
Protein Accession#	NP_001049.1*;NP_056542.1*

Gene Name	TACR1
Gene Alias	NK1R, NKIR, SPR, TAC1R
Gene Description	tachykinin receptor 1
Omim ID	162323
Gene Ontology	Hyperlink
Gene Summary	This gene belongs to a gene family of tachykinin receptors. These tachykinin receptors are characterized by interactions with G proteins and contain seven hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin substance P, also referred to as neurokinin 1. The encoded protein is also involved in the mediation of phosphatidylinositol metabolism of substance P. [provided by RefSeq]
Other Designations	NK-1 receptor neurokinin 1 receptor tachykinin 1 receptor (substance P receptor, neurokinin 1 receptor) tachykinin receptor 1 (substance P receptor; neurokinin-1 receptor)

Publication Reference

- [Full-length and truncated neurokinin-1 receptor expression and function during monocyte/macrophage differentiation.](#)

Lai JP, Ho WZ, Kilpatrick LE, Wang X, Tuluc F, Korchak HM, Douglas SD.

PNAS 2006 May; 103(20):7771.

Application: IF, Human, THP-2 cells

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Asthma](#)
- [Bipolar Disorder](#)

- [Bulimia](#)
- [Chronic Disease](#)
- [Constipation](#)
- [Cough](#)
- [Endometriosis](#)
- [Fibromyalgia](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Nausea](#)
- [Pain](#)
- [Panic Disorder](#)
- [Pregnancy Complications](#)
- [Radius Fractures](#)
- [Recurrence](#)
- [Reflex Sympathetic Dystrophy](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)