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Anti-NTR2 Antibody

Catalog # AP54009

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O95665
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45385

Additional Information

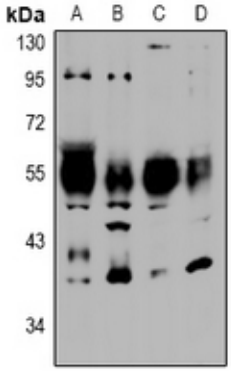
Gene ID	23620
Other Names	Neurotensin receptor type 2; NT-R-2; NTR2; Levocabastine-sensitive neurotensin receptor
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NTR2. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/100 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

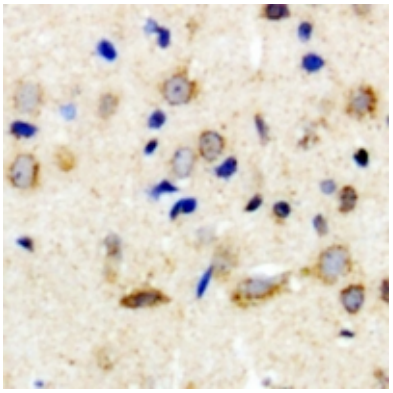
Protein Information

Name	NTSR2
Function	Receptor for the tridecapeptide neurotensin. It is associated with G proteins that activate a phosphatidylinositol-calcium second messenger system.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Expressed in prostate (at protein level).

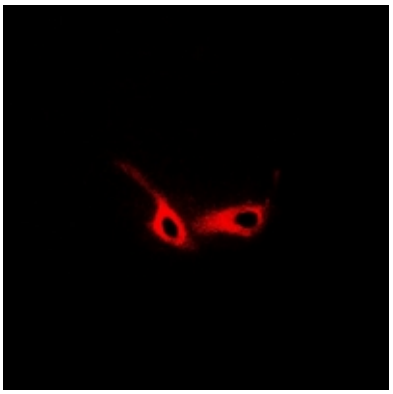
Images

Western blot analysis of NTR2 expression in U87MG (A), SGC7901 (B), C6 (C), NIHC3T3L1 (D) whole cell lysates. (Predicted band size: 45 kD; Observed band size: 55 kD)

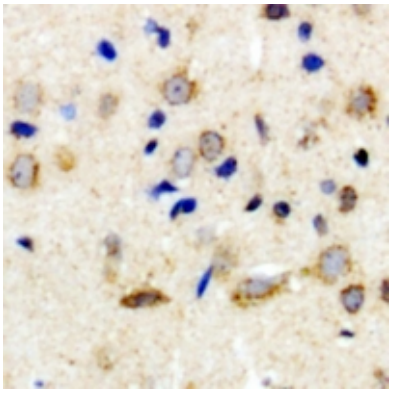




Immunohistochemical analysis of NTR2 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of NTR2 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with Alexa Fluor 647-conjugated secondary antibody (red) in PBS at room temperature in the dark.



Immunohistochemical analysis of NTR2 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.