

TACR3 Polyclonal Antibody

Catalog No: #42339

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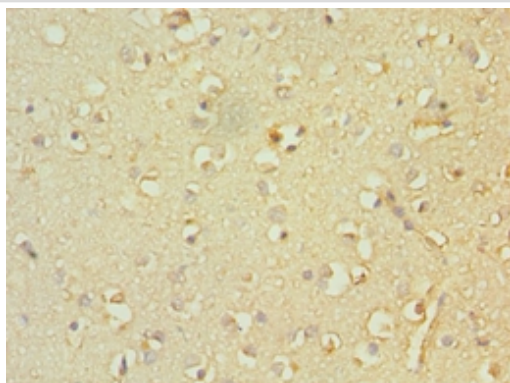
Description

Product Name	TACR3 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen Affinity Purified
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total TACR3 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Neuromedin-K receptor protein(356-465aa)
Target Name	TACR3
Other Names	Neuromedin-K receptor, NKR, NK-3 receptor, NK-3R, Neurokinin B receptor, Tachykinin receptor 3, TACR3, NK3R, TAC3R
Accession No.	Swiss-Prot#: P29371
Uniprot	P29371
GeneID	6870;
Concentration	1.0mg/mL
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage	Store at -20°C

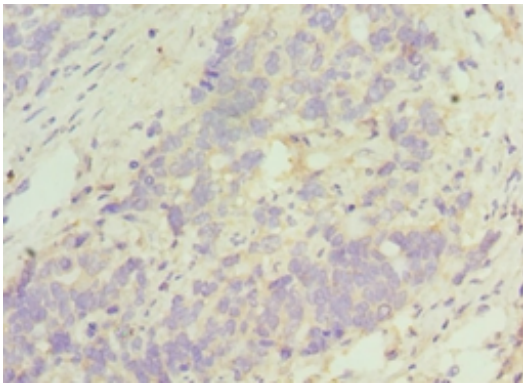
Application Details

Immunohistochemistry: 1:20 - 1:200

Images



Immunohistochemical analysis of paraffin-embedded human brain using #42339 at dilution of 1:100.



Immunohistochemical analysis of paraffin-embedded human endometrial cancer using #42339 at dilution of 1:100.

Background

This is a receptor for the tachykinin neuropeptide neuromedin-K (neurokinin B). It is associated with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of affinity of this receptor to tachykinins is: neuromedin-K > substance K > substance P.

References

[1]Mutations in FGF17, IL17RD, DUSP6, SPRY4, and FLRT3 are identified in individuals with congenital hypogonadotropic hypogonadism."Miraoui H., Dwyer A.A., Sykiotis G.P., Plummer L., Chung W., Feng B., Beenken A., Clarke J., Pers T.H., Dworzynski P., Keefe K., Niedziela M., Raivio T., Crowley W.F. Jr., Seminara S.B., Quinton R., Hughes V.A., Kumanov P. Pitteloud N.Am. J. Hum. Genet. 92:725-743(2013). [2]TAC3 and TACR3 mutations in familial hypogonadotropic hypogonadism reveal a key role for Neurokinin B in the central control of reproduction." Topaloglu A.K., Reimann F., Guclu M., Yalin A.S., Kotan L.D., Porter K.M., Serin A., Mungan N.O., Cook J.R., Ozbek M.N., Imamoglu S., Akalin N.S., Yuksel B., O'Rahilly S., Semple R.K.Nat. Genet. 41:354-358(2009). [3]The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC)."The MGC Project TeamGenome Res. 14:2121-2127(2004).

Note: This product is for in vitro research use only