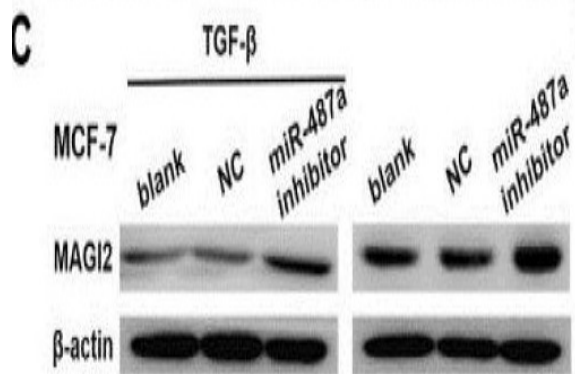


MAGI-2 Polyclonal Antibody

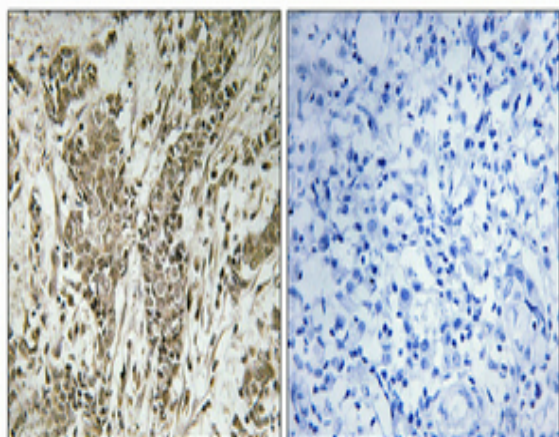
Catalog No :	YT2627
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	MAGI-2
Fields :	>>Rap1 signaling pathway;>>PI3K-Akt signaling pathway
Gene Name :	MAGI2
Protein Name :	Membrane-associated guanylate kinase WW and PDZ domain-containing protein 2
Human Gene Id :	9863
Human Swiss Prot No :	Q86UL8
Mouse Gene Id :	50791
Mouse Swiss Prot No :	Q9WVQ1
Rat Gene Id :	113970
Rat Swiss Prot No :	O88382
Immunogen :	The antiserum was produced against synthesized peptide derived from human MAGI2. AA range:221-270
Specificity :	MAGI-2 Polyclonal Antibody detects endogenous levels of MAGI-2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	156kD
Cell Pathway :	Tight junction;
Background :	The protein encoded by this gene interacts with atrophin-1. Atrophin-1 contains a polyglutamine repeat, expansion of which is responsible for dentatorubral and pallidoluysian atrophy. This encoded protein is characterized by two WW domains, a guanylate kinase-like domain, and multiple PDZ domains. It has structural similarity to the membrane-associated guanylate kinase homologue (MAGUK) family. [provided by RefSeq, Jul 2008],
Function :	function:Seems to act as scaffold molecule at synaptic junctions by assembling neurotransmitter receptors and cell adhesion proteins. May play a role in regulating activin-mediated signaling in neuronal cells. Enhances the ability of PTEN to suppress AKT1 activation.,similarity:Belongs to the MAGUK family.,similarity:Contains 1 guanylate kinase-like domain.,similarity:Contains 2 WW domains.,similarity:Contains 6 PDZ (DHR) domains.,subcellular location:Membrane-associated in synaptosomes.,subunit:Interacts via its WW domains with DRPLA. Interacts via its second PDZ domain with PTEN unphosphorylated C-terminus; this interaction diminishes the degradation rate of PTEN (By similarity). Interacts through its guanylate kinase domain with DLGAP1 (By similarity). Interacts through the PDZ domains with GRIN2A, GRID2 and NLGN1 (By similarity). Interacts with CTNND2, CTNNB1, MAGUIN-1, ACVR2A, SMAD2
Subcellular Location :	Cytoplasm . Late endosome . Cell junction, synapse, synaptosome . Cell membrane ; Peripheral membrane protein . Localized diffusely in the cytoplasm before nerve growth factor (NGF) stimulation. Recruited to late endosomes after NGF stimulation. Membrane-associated in synaptosomes (By similarity). .
Expression :	Specifically expressed in brain.

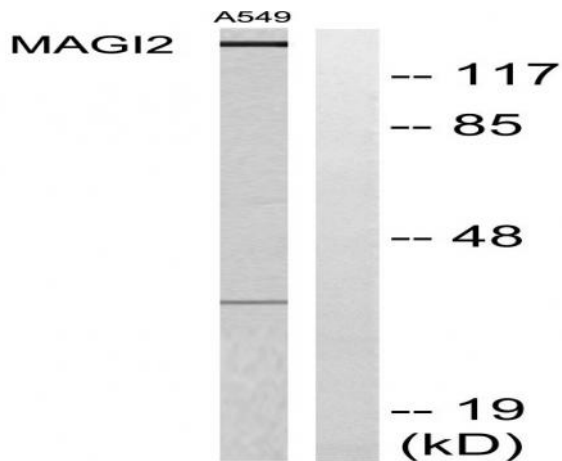
Products Images



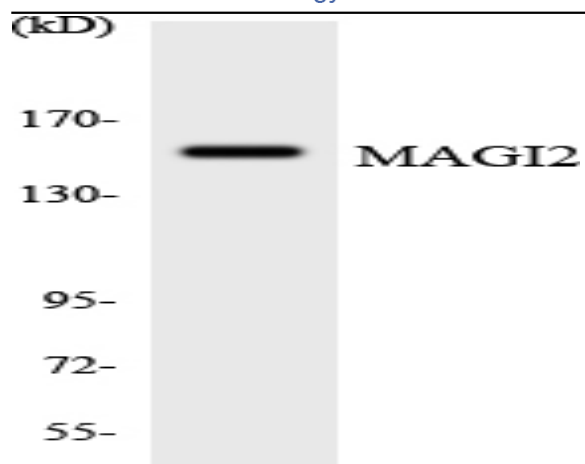
Ma, Mengtao, et al. "miR-487a promotes TGF-β1-induced EMT, the migration and invasion of breast cancer cells by directly targeting MAGI2." *International journal of biological sciences* 12.4 (2016): 397.



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from A549 cells, using MAGI2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using MAGI2 antibody.