



NGEP Monoclonal Antibody

Catalog No	YP-mAb-04039
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ANO7
Immunogen	The antiserum was produced against synthesized peptide derived from human TM16G. AA range:881-930
Specificity	NGEP Monoclonal Antibody detects endogenous levels of NGEP protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ANO7;anoctamin 7;D TMPP;DTMPP;IPCA 5;IPCA5;New gene expressed in prostate;NGEP;PCANAP5;Anoctamin-7;TMEM16G;Dresden transmembrane protein of the prostate;D-TMPP;IPCA-5;Prostate cancer-associated protein 5; Transmembrane protein 16G
Observed Band	105kD
Calculated Molecular Weight	105kD
Cell Pathway	[Isoform 1]: Cell membrane ; Multi-pass membrane protein . Cell junction . Endoplasmic reticulum . Concentrates at sites of cell-cell contact (PubMed:17308099). Shows an intracellular localization according to PubMed:22075693 and PubMed:20056604. .; [Isoform 2]: Cytoplasm, cytosol .
Tissue Specificity	Specifically expressed in epithelial cells of the prostate (at protein level).
Function	caution:It is uncertain whether Met-1 or Met-55 is the initiator.,function:May act as a calcium-activated chloride channel. May play a role in cell-cell interactions., induction:Up-regulated by androgen.,similarity:Belongs to the anoctamin family., subcellular location:Concentrates at sites of cell-cell contact.,tissue specificity:Specifically expressed in epithelial cells of the prostate (at protein level).,



Background

This prostate-specific gene encodes a cytoplasmic protein, as well as a polytopic membrane protein which may serve as a target in prostate cancer diagnosis and immunotherapy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2011],

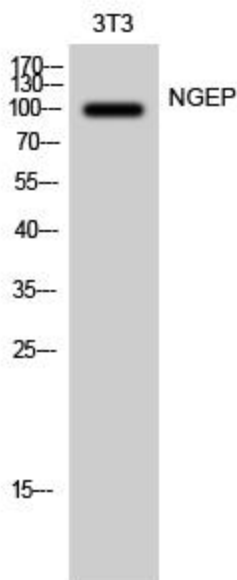
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using NGEP Monoclonal Antibody