TMEM97 Mouse mAb

Catalog No	YP-mAb-18885
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TMEM97 MAC30
Immunogen	Synthesized peptide derived from human TMEM97
Specificity	This antibody detects endogenous levels of TMEM97 at Human, Mouse,Rat
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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MAC3;Protein MAC3;S2R;Sigma2 receptor;Sigma-2 receptor;TMEM97 MAC30; Transmembrane protein 97 (Protein MAC30)
Observed Band	19-2 kDa
Calculated Molecular Weight	19kD
Cell Pathway	Nucleus membrane ; Multi-pass membrane protein . Rough endoplasmic reticulum membrane ; Multi-pass membrane protein . Localized at cell membrane and in lysosomes in sterol-depleted cells when expression of endogenous TMEM97 is stimulated. .
Tissue Specificity	Widely expressed in normal tissues. Expressed in pancreatic, renal, breast, colon, ovarian surface epithelial (OSE) cells. Highly expressed in various proliferating cancer cells
Function	Intracellular orphan receptor that binds numerous drugs and which is highly expressed in various proliferating cancer cells . Corresponds to the sigma-2 receptor, which is thought to play important role in regulating cell survival, morphology and differentiation . Under investigation for its potential diagnostic and therapeutic uses . May play a role as a regulator of cellular cholesterol homeostasis . May function as sterol isomerase . May alter the activity of some cytochrome P450 proteins .

Background

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

