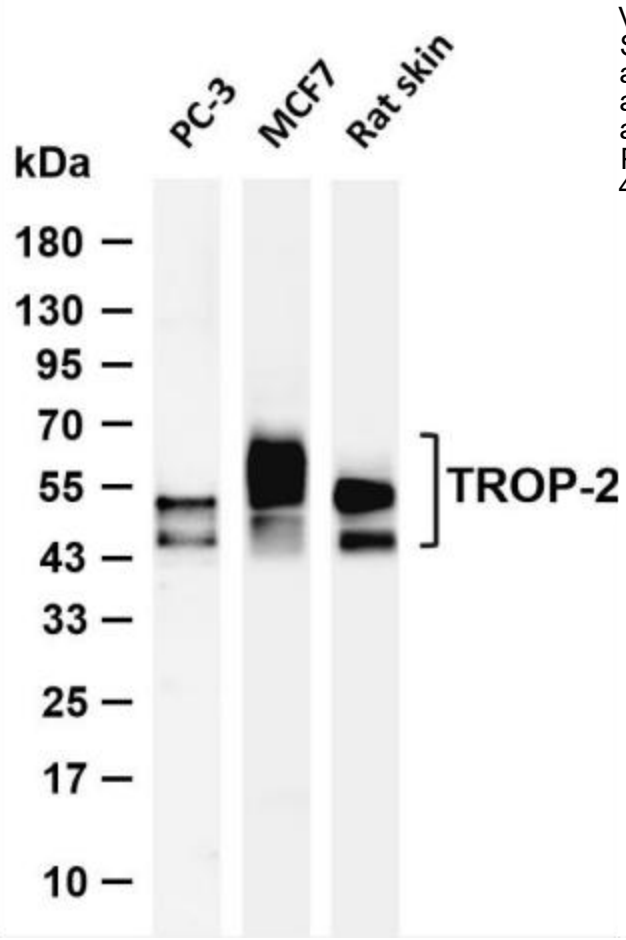
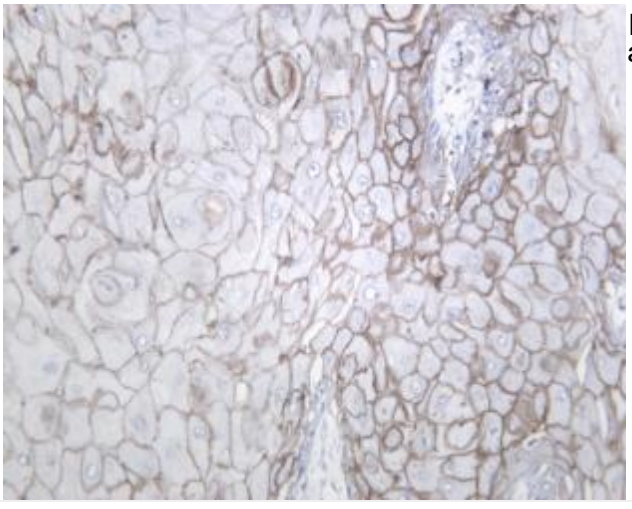
TROP-2 Rabbit mAb

Catalog No	YP-rAb-17139
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	TACSTD2
Protein Name	Tumor-associated calcium signal transducer 2
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:10000-1:50000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	TACSTD2 ; GA733-1 ; M1S1 ; TROP2 ; Tumor-associated calcium signal transducer 2 ; Cell surface glycoprotein Trop-2 ; Membrane component chromosome 1 surface marker 1 ; Pancreatic carcinoma marker protein GA733-1
Observed Band	45-65kD
Calculated Molecular Weight	36kD
Cell Pathway	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Placenta, pancreatic carcinoma cell lines.
Function	Disease:Defects in TACSTD2 are the cause of gelatinous drop-like corneal dystrophy (GDLD) [MIM:204870]; also known as lattice corneal dystrophy type III. GDLD is an autosomal recessive disorder characterized by grayish corneal amyloid deposits that cause severe visual impairment.,Function:GA733 tumor-associated antigen gene family may function as growth factor receptors.,PTM:The N-terminus is blocked.,similarity:Contains 1 thyroglobulin type-1 domain.,tissue specificity:Placenta, pancreatic carcinoma cell lines.,
Background	This intronless gene encodes a carcinoma-associated antigen. This antigen is a cell surface receptor that transduces calcium signals. Mutations of this gene have

	been associated with gelatinous drop-like corneal dystrophy.[provided by RefSeq, Dec 2009],
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.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-TROP-2 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: PC-3 Lane 2: MCF7 Lane 3: Rat skin Predicted band size: 36kDa Observed band size: 45-65kDa



Human skin squamous cell carcinoma was stained with anti-TROP-2 Rabbit antibody