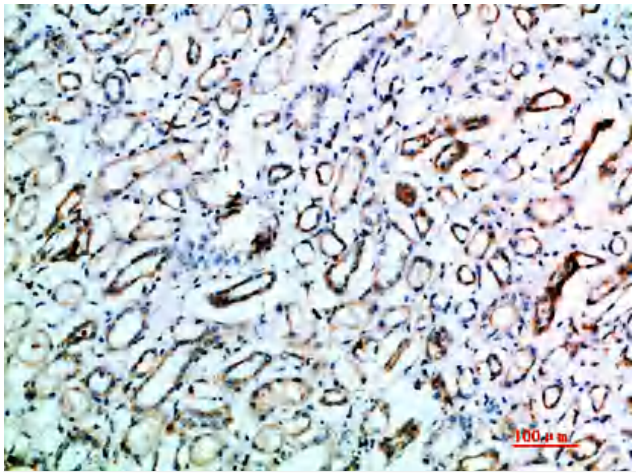
CD231 Polyclonal Antibody

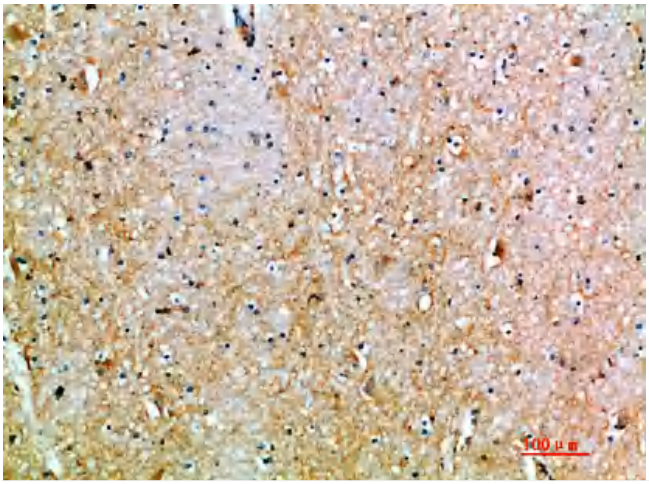
Catalog No	YP-Ab-10679
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;IF;ELISA
Gene Name	TSPAN7 A15 DXS1692E MXS1 TM4SF2
Protein Name	Tetraspanin-7 (Tspan-7) (Cell surface glycoprotein A15) (Membrane component chromosome X surface marker 1) (T-cell acute lymphoblastic leukemia-associated antigen 1) (TALLA-1) (Transmembrane 4 superfa
Immunogen	Synthetic peptide from human protein at AA range: 101-150
Specificity	The antibody detects endogenous CD231
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Tetraspanin-7 (Tspan-7;Cell surface glycoprotein A15;Membrane component chromosome X surface marker 1;T-cell acute lymphoblastic leukemia-associated antigen 1;TALLA-1;Transmembrane 4 superfamily member 2;CD antigen CD231)
Observed Band	
Cell Pathway	Membrane; Multi-pass membrane protein.
Tissue Specificity	Not solely expressed in T-cells. Expressed in acute myelocytic leukemia cells of some patients.
Function	disease:Defects in TSPAN7 are the cause of mental retardation X-linked type 58 (MRX58) [MIM:300210]. Mental retardation is characterized by significantly sub-average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period. Non-syndromic mental retardation patients do not manifest other clinical signs.,function:May be involved in cell proliferation and cell motility.,similarity:Belongs to the tetraspanin (TM4SF) family.,tissue specificity:Not solely expressed in T-cells. Expressed in acute myelocytic leukemia cells of some patients.,
Background	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic

	domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein and may have a role in the control of neurite outgrowth. It is known to complex with integrins. This gene is associated with X-linked mental retardation and neuropsychiatric diseases such as Huntington's chorea, fragile X syndrome and myotonic dystrophy. [provided by RefSeq, Jul 2008],
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



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:200