Best Tools for immunology Research

CD231 Polyclonal Antibody

Catalog No :	YT5946
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF;ELISA
Target :	CD231
Fields :	>>Transcriptional misregulation in cancer
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
Human Gene Id :	7102
Human Swiss Prot No :	P41732
Mouse Gene Id :	21912
Mouse Swiss Prot No :	Q62283
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
Dilution :	IHC 1:50-200, ELISA 1:10000-20000. 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)

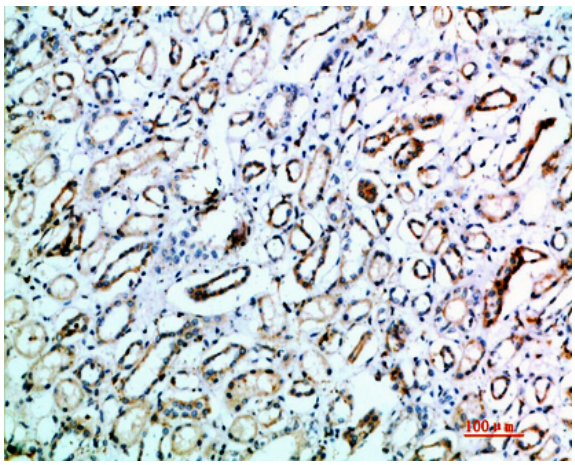
Background : The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that 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],

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.,

Subcellular Location : Membrane; Multi-pass membrane protein.

Expression : Not solely expressed in T-cells. Expressed in acute myelocytic leukemia cells of some patients.

Products Images



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