

## CD231 Polyclonal Antibody

<b>Catalog No :</b>	YT5946
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	CD231
<b>Fields :</b>	>>Transcriptional misregulation in cancer
<b>Gene Name :</b>	TSPAN7 A15 DXS1692E MXS1 TM4SF2
<b>Protein Name :</b>	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
<b>Human Gene Id :</b>	7102
<b>Human Swiss Prot No :</b>	P41732
<b>Mouse Gene Id :</b>	21912
<b>Mouse Swiss Prot No :</b>	Q62283
<b>Immunogen :</b>	Synthetic peptide from human protein at AA range: 101-150
<b>Specificity :</b>	The antibody detects endogenous CD231
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:50-200, ELISA 1:10000-20000. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

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**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],

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**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 adaptive 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.,

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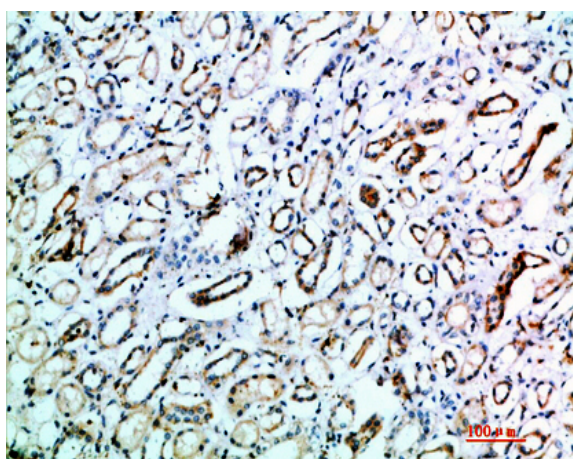
**Subcellular Location :** Membrane; Multi-pass membrane protein.

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

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## Products Images



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