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**Product Name: CD231 Rabbit Polyclonal Antibody****Catalog #: APRab08293**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

**Dilution Ratio** IHC 1:50-1:200,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000

**Molecular Weight**

**Antigen Information**

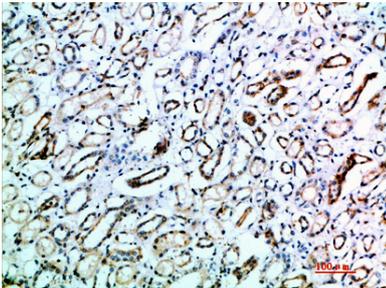
<b>Gene Name</b>	TSPAN7 A15 DXS1692E MXS1 TM4SF2 Tetraspanin-7 (Tspan-7;Cell surface glycoprotein A15;Membrane component chromosome
<b>Alternative Names</b>	X surface marker 1;T-cell acute lymphoblastic leukemia-associated antigen 1;TALLA-1;Transmembrane 4 superfamily member 2;CD antigen CD231)
<b>Gene ID</b>	7102.0
<b>SwissProt ID</b>	P41732
<b>Immunogen</b>	Synthetic peptide from human protein at AA range: 101-150

**Background**

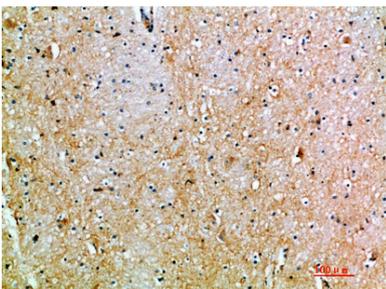
The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in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

## Research Area

### Image Data



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