

## Integrin $\beta$ 5 Polyclonal Antibody

<b>Catalog No :</b>	YT2373
<b>Reactivity :</b>	Human;Mouse;Rat;Monkey
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Integrin $\beta$ 5
<b>Fields :</b>	>>Phagosome;>>PI3K-Akt signaling pathway;>>Focal adhesion;>>ECM-receptor interaction;>>Regulation of actin cytoskeleton;>>Human papillomavirus infection;>>Proteoglycans in cancer;>>Hypertrophic cardiomyopathy;>>Arrhythmogenic right ventricular cardiomyopathy;>>Dilated cardiomyopathy
<b>Gene Name :</b>	ITGB5
<b>Protein Name :</b>	Integrin beta-5
<b>Human Gene Id :</b>	3693
<b>Human Swiss Prot No :</b>	P18084
<b>Mouse Gene Id :</b>	16419
<b>Mouse Swiss Prot No :</b>	O70309
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Integrin beta5. AA range:721-770
<b>Specificity :</b>	Integrin $\beta$ 5 Polyclonal Antibody detects endogenous levels of Integrin $\beta$ 5 protein.
<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>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-

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chromatography using epitope-specific immunogen.

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**Concentration :** 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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**Observed Band :** 88kD

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**Cell Pathway :** Focal adhesion;ECM-receptor interaction;Regulates Actin and Cytoskeleton;Hypertrophic cardiomyopathy (HCM);Arrhythmogenic right ventricular cardiomyopathy (ARVC);Dilated cardiomyopathy;

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**Background :** function:Integrin alpha-V/beta-5 is a receptor for fibronectin. It recognizes the sequence R-G-D in its ligand.,similarity:Belongs to the integrin beta chain family.,similarity:Contains 1 PSI domain.,similarity:Contains 1 VWFA domain.,subunit:Heterodimer of an alpha and a beta subunit. Beta-5 associates with alpha-V.,

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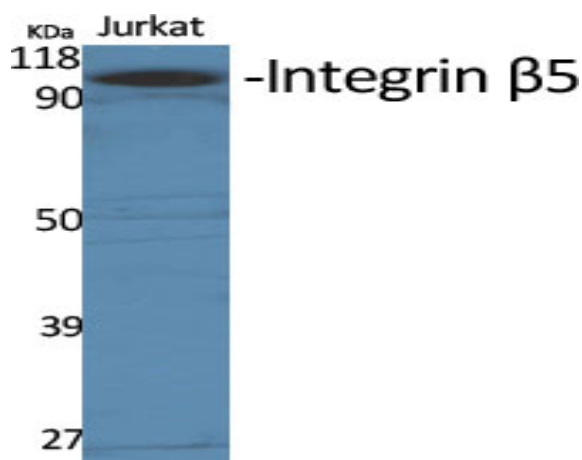
**Subcellular Location :** Membrane; Single-pass type I membrane protein.

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**Expression :** Brain,Kidney,Thymic epithelium,

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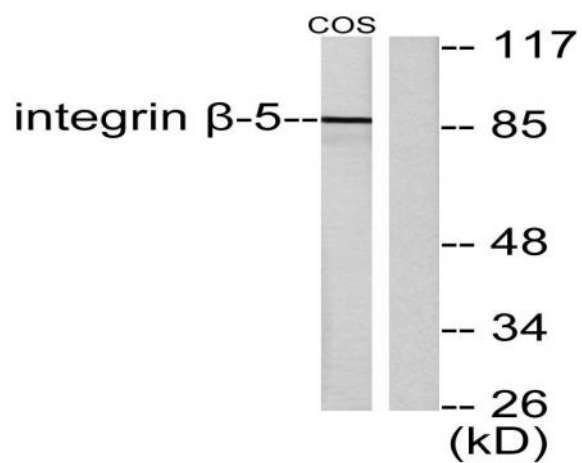
## Products Images



Western Blot analysis of various cells using Integrin  $\beta$ 5 Polyclonal Antibody diluted at 1:1000



Western Blot analysis of COS7 cells using Integrin  $\beta$ 5 Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from COS7 cells, using Integrin  $\beta$ 5 Antibody. The lane on the right is blocked with the synthesized peptide.