

## Fractalkine Receptor Polyclonal Antibody

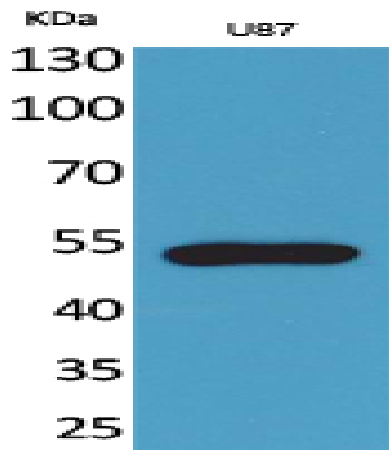
<b>Catalog No :</b>	YT5112
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Fractalkine Receptor
<b>Fields :</b>	>>Cytokine-cytokine receptor interaction;>>Viral protein interaction with cytokine and cytokine receptor;>>Chemokine signaling pathway
<b>Gene Name :</b>	CX3CR1
<b>Protein Name :</b>	CX3C chemokine receptor 1
<b>Human Gene Id :</b>	1524
<b>Human Swiss Prot No :</b>	P49238
<b>Mouse Gene Id :</b>	13051
<b>Mouse Swiss Prot No :</b>	Q9Z0D9
<b>Rat Gene Id :</b>	171056
<b>Rat Swiss Prot No :</b>	P35411
<b>Immunogen :</b>	Synthesized peptide derived from Fractalkine Receptor . at AA range: 120-200
<b>Specificity :</b>	Fractalkine Receptor Polyclonal Antibody detects endogenous levels of Fractalkine Receptor 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. IHC: 1:100-300 ELISA: 1:20000.. IF 1:50-200

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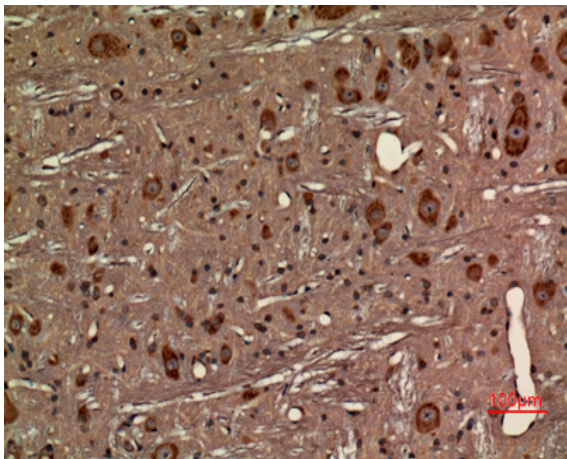
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	40kD
<b>Cell Pathway :</b>	Cytokine-cytokine receptor interaction;Chemokine;
<b>Background :</b>	Fractalkine is a transmembrane protein and chemokine involved in the adhesion and migration of leukocytes. The protein encoded by this gene is a receptor for fractalkine. The encoded protein also is a coreceptor for HIV-1, and some variations in this gene lead to increased susceptibility to HIV-1 infection and rapid progression to AIDS. Four transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jan 2010],
<b>Function :</b>	function:Receptor for the CX3C chemokine fractalkine and mediates both its adhesive and migratory functions. Acts as coreceptor with CD4 for HIV-1 virus envelope protein (in vitro). Isoform 2 and isoform 3 seem to be more potent HIV-1 coreceptors than isoform 1.,polymorphism:Variations in CX3CR1 are associated with rapid progression to AIDS [MIM:609423]. Increased susceptibility to HIV infection and rapid progression to AIDS are associated with the Ile-249/Met-280 haplotype.,similarity:Belongs to the G-protein coupled receptor 1 family.,subunit:Interacts with human respiratory syncytial virus (HRSV) protein G; this interaction modulates host immune response. Interacts with HIV-1 envelope polyprotein gp160.,tissue specificity:Expressed in lymphoid and neural tissues.,
<b>Subcellular Location :</b>	Cell membrane ; Multi-pass membrane protein .
<b>Expression :</b>	Expressed in lymphoid and neural tissues (PubMed:7590284). Expressed in lymphocyte subsets, such as natural killer (NK) cells, gamma-delta T-cells and terminally differentiated CD8(+) T-cells (PubMed:12055230). Expressed in smooth muscle cells in atherosclerotic plaques (PubMed:14581400).

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## Products Images



Western Blot analysis of U87 cells using Fractalkine Receptor Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100