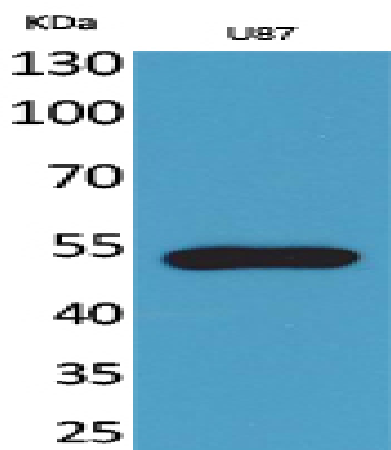


## Fractalkine Receptor Polyclonal Antibody

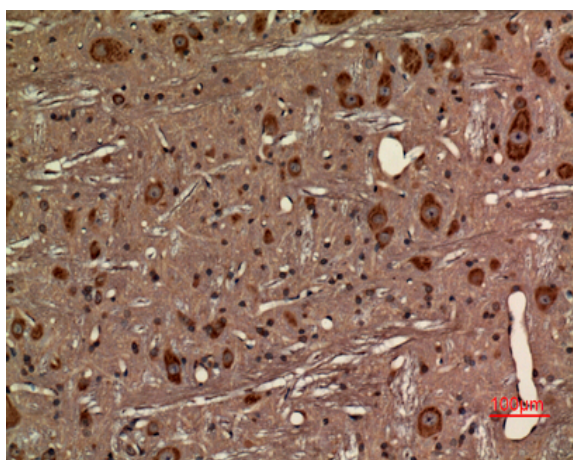
|                              |  |
|------------------------------|--|
| <b>Catalog No :</b>          | YT5112   |
| <b>Reactivity :</b>          | Human;Mouse;Rat  |
| <b>Applications :</b>        | WB;IHC;IF;ELISA  |
| <b>Target :</b>              | Fractalkine Receptor   |
| <b>Fields :</b>              | >>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   |

|                               |   |
|-------------------------------|---|
| <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).   |
| <b>Sort :</b>                 | 1   |
| <b>No4 :</b>                  | 1   |
| <b>Host :</b>                 | Rabbit  |
| <b>Modifications :</b>        | Unmodified  |

## 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