

## CD240d Polyclonal Antibody

|                              |   |
|------------------------------|---|
| <b>Catalog No :</b>          | YT5626  |
| <b>Reactivity :</b>          | Human;Rat;Mouse;  |
| <b>Applications :</b>        | WB;ELISA  |
| <b>Target :</b>              | CD240d  |
| <b>Gene Name :</b>           | RHD   |
| <b>Protein Name :</b>        | Blood group Rh(D) polypeptide   |
| <b>Human Gene Id :</b>       | 6007  |
| <b>Human Swiss Prot No :</b> | Q02161  |
| <b>Mouse Gene Id :</b>       | 19746   |
| <b>Mouse Swiss Prot No :</b> | Q8CF94  |
| <b>Rat Gene Id :</b>         | 60414   |
| <b>Rat Swiss Prot No :</b>   | O88298  |
| <b>Immunogen :</b>           | Synthesized peptide derived from Blood group Rh(D) polypeptide at AA range: 161-210                                   |
| <b>Specificity :</b>         | CD240d Polyclonal Antibody detects endogenous levels of CD240d 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: 1:10000. Not yet tested in other applications.  |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

**Concentration :** 1 mg/ml

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

**Observed Band :** 45kD

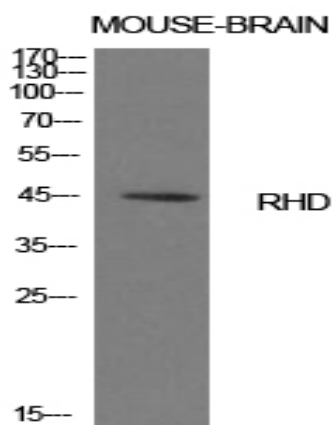
**Background :** The Rh blood group system is the second most clinically significant of the blood groups, second only to ABO. It is also the most polymorphic of the blood groups, with variations due to deletions, gene conversions, and missense mutations. The Rh blood group includes this gene, which encodes the RhD protein, and a second gene that encodes both the RhC and RhE antigens on a single polypeptide. The two genes, and a third unrelated gene, are found in a cluster on chromosome 1. The classification of Rh-positive and Rh-negative individuals is determined by the presence or absence of the highly immunogenic RhD protein on the surface of erythrocytes. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

**Function :** function:May be part of an oligomeric complex which is likely to have a transport or channel function in the erythrocyte membrane.,online information:Blood group antigen gene mutation database,polymorphism:RHD and RHCE are responsible for the Rh blood group system. The molecular basis of the Tar=Rh40 blood group antigen is a polymorphism in position 110.,similarity:Belongs to the ammonium transporter (TC 2.A.49) family. Rh subfamily.,tissue specificity:Restricted to tissues or cell lines expressing erythroid characters.,

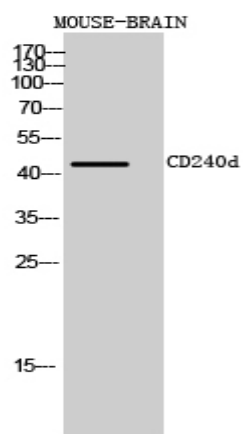
**Subcellular Location :** Cell membrane ; Multi-pass membrane protein .

**Expression :** Restricted to tissues or cell lines expressing erythroid characters.

## Products Images



Western Blot analysis of mouse brain cells using CD240d Polyclonal Antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western Blot analysis of MOUSE-BRAIN cells using CD240d Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000