

## RHD polyclonal antibody

Catalog: BS61343

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The Rhesus (Rh) blood group system represents one of the most complex and important systems in humans (1). Two highly homologous genes RHD and RHCE (collectively referred to as RH30 or RHCEd) encode the antigens of the Rh blood group system (1–4). These tightly linked genes map to human chromosomal position 1p34.1-1p36 (2,3). The RHD gene, which is commonly deleted from a large segment of the population, encodes the most potent blood group immunogen, the D antigen (2,5). Rh incompatibility between maternal and fetal blood types results in hemolytic disease of the newborn (HDN), which often results in fetal death (1,2,6). The RHCE gene exists in four allelic forms, and each allele determines the expression of two antigens in Ce, ce, cE, or CE combinations (2,4,5). The RHCEd antigens exist as integral membrane proteins with contain 12-transmembrane helices, and maintain erythrocyte membrane integrity (2). The presentation of the Rh antigenic activity requires the formation of a complex between the RHCEd antigens and RHAG (RH50) (2).

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 45 kDa

### Swiss-Prot:

Q02161

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

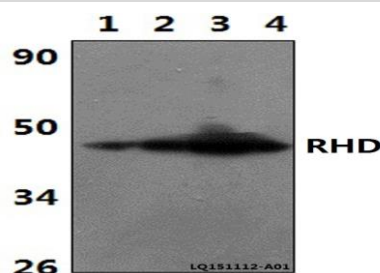
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

RHD polyclonal antibody detects endogenous levels of RHD protein.

### DATA:



Western blot (WB) analysis of RHD polyclonal antibody at 1:500 dilution

Lane1: The Brain tissue lysate of Rat(30ug)

Lane2: The Brain tissue lysate of Mouse(30ug)

Lane3: HEK293T whole cell lysate(40ug)

Lane4: H9C2 whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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