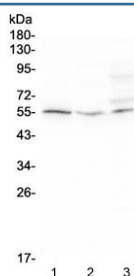


## D6 Antibody / ACKR2 (RQ4877)

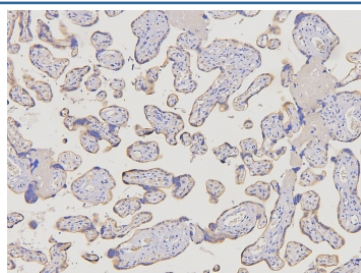
Catalog No.	Formulation	Size
RQ4877	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	O00590
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This D6 antibody is available for research use only.



Western blot testing of human 1) Raji, 2) HeLa, and 3) SW620 cell lysate with D6 antibody at 0.5ug/ml. Predicted molecular weight ~43 kDa, can be observed at 50-55 kDa.



IHC staining of FFPE human placental tissue with D6 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

## Description

The ACKR2 gene encodes a beta chemokine receptor, called Chemokine Receptor D6, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. Chemokines and their receptor-mediated signal transduction are critical for the recruitment of effector immune cells to the inflammation site. This gene is expressed in a range of tissues and hemopoietic cells. The expression of this receptor in lymphatic endothelial cells and overexpression in vascular tumors suggested its function in chemokine-driven recirculation of leukocytes and possible chemokine effects on the development and growth of vascular tumors. This receptor appears to bind the majority of beta-chemokine family members; however, its specific function remains unknown. This gene is mapped to chromosome 3p21.3, a region that includes a cluster of chemokine receptor genes.

## Application Notes

Optimal dilution of the D6 antibody should be determined by the researcher.

## Immunogen

Amino acids M138-A384 from the human protein were used as the immunogen for the D6 antibody.

## Storage

After reconstitution, the D6 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.