

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ROBO2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 2% cross-reactivity with recombinant rat ROBO1, recombinant human (rh) ROBO3 and rhROBO4 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human ROBO2 Ser22-Ala312, RPVA, Pro313-Pro859 Accession # Q9HCK4
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Human ROBO2 is a 175 kDa member of the ROBO/roundabout receptor family and is a 1357 amino acid (aa) type I transmembrane (TM) protein. It contains an extracellular domain (ECD) comprised of five C2-type Ig-like domains and three fibronectin type III domains. ROBO receptors interact with SLIT proteins to regulate axon guidance. Similar to ROBO1, the first two Ig-like domains of ROBO2 are predicted to be important for SLIT binding. Alternate splice forms of ROBO2 exist. The ROBO2 ECD in human shares 98% aa identity with the ROBO2 ECD in mouse and canine.

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