

Rabbit ROR beta/RORB Polyclonal Antibody | anti-RORB antibody

Anti-ROR beta/RORB Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126560	Rabbit	Human, Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay, ELISA

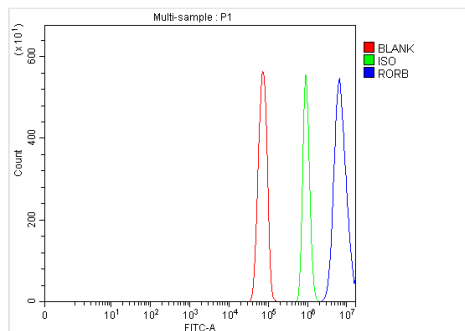
PRODUCT SYNONYMS

ROR beta/RORB; Polyclonal Antibody; Anti-ROR beta/RORB Antibody Picoband; anti-RORB antibody

PRODUCT SPECIFICATIONS

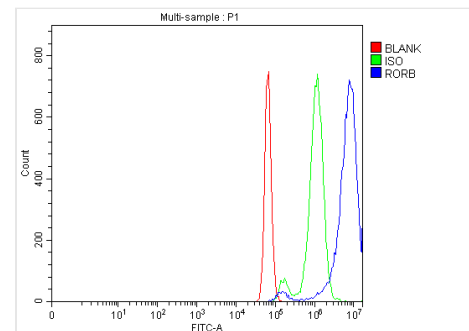
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-RORB antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human ROR beta/RORB recombinant protein (Position: M1-K470).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



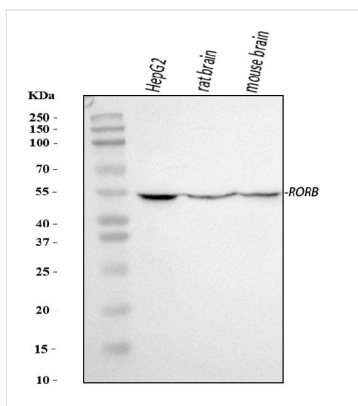
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of RH35 cells using anti-ROR Beta/RORB antibody (AAA126560). Overlay histogram showing RH35 cells stained with AAA126560 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ROR Beta/RORB Antibody (AAA126560, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of Neuro-2a cells using anti-ROR Beta/RORB antibody (AAA126560). Overlay histogram showing Neuro-2a cells stained with AAA126560 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ROR Beta/RORB Antibody (AAA126560, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of ROR Beta/RORB using anti-ROR Beta/RORB antibody (AAA126560). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates, Lane 2: rat brain tissue lysates, Lane 3: mouse brain tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ROR Beta/RORB antigen affinity purified polyclonal antibody (#AAA126560) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ROR Beta/RORB at approximately 53 kDa. The expected band size for ROR Beta/RORB is at 53 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RORB antibody	RAR-related orphan receptor beta (ROR-beta), also known as NR1F2 (nuclear receptor subfamily 1, group F, member 2) is a nuclear receptor that in humans is encoded by the RORB gene. The protein encoded by this gene is a member of the NR1 subfamily of nuclear hormone receptors. It is a DNA-binding protein that can bind as a monomer or as a homodimer to hormone response elements upstream of several genes to enhance the expression of those genes. The encoded protein has been shown to interact with NM23-2, a nucleoside diphosphate kinase involved in organogenesis and differentiation, and to help regulate the expression of some genes involved in circadian rhythm.
Product Categories/Family for anti-RORB antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	124028630
NCBI GeneID	6096
UniProt Accession #	Q92753; Q8WX73
Molecular Weight	470
NCBI Official Full Name	Nuclear receptor ROR-beta
NCBI Official Synonym Full Names	RAR-related orphan receptor B
NCBI Official Symbol	RORB
NCBI Official Synonym Symbols	RZRB; NR1F2; ROR-BETA; RZR-BETA; bA133M9.1
NCBI Protein Information	nuclear receptor ROR-beta; nuclear receptor RZR-beta; RAR-related orphan receptor beta; retinoic acid-binding receptor beta; retinoid-related orphan receptor beta; retinoid-related orphan receptor-beta; nuclear receptor subfamily 1 group F member 2
UniProt Protein Name	Nuclear receptor ROR-beta
UniProt Gene Name	RORB

UniProt Synonym Gene Names	NR1F2; RZRB
UniProt Entry Name	RORB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ror-beta-rorb-antibody-western-blot-flow-cytometry-elisa/126560>