

Rabbit SFR1 Polyclonal Antibody | anti-SFR1 antibody

Anti-SFR1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126499	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Western Blot

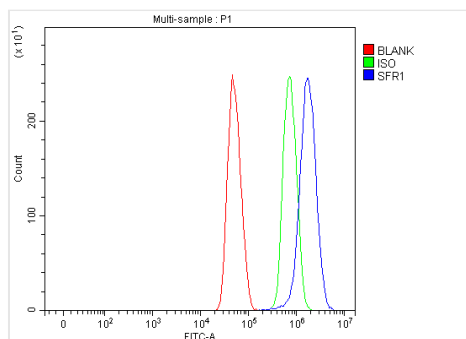
PRODUCT SYNONYMS

SFR1; Polyclonal Antibody; Anti-SFR1 Antibody Picoband; anti-SFR1 antibody

PRODUCT SPECIFICATIONS

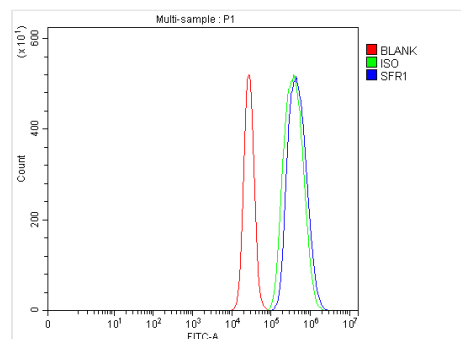
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SFR1 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human SFR1 (EFVSEKLPKQRLNAEKAKLVKQ).
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



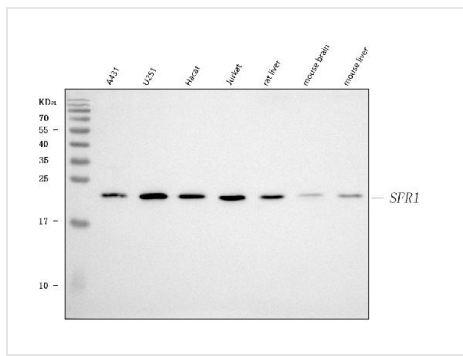
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of U251 cells using anti-SFR1 antibody (AAA126499). Overlay histogram showing U251 cells stained with AAA126499 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SFR1 Antibody (AAA126499, 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 K562 cells using anti-SFR1 antibody (AAA126499). Overlay histogram showing K562 cells stained with AAA126499 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SFR1 Antibody (AAA126499, 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 SFR1 using anti-SFR1 antibody (AAA126499). 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 A431 whole cell lysates, Lane 2: human U251 whole cell lysates, Lane 3: human Hacat whole cell lysates, Lane 4: human Jurkat whole cell lysates, Lane 5: rat liver tissue lysates, Lane 6: mouse brain tissue lysates, Lane 7: mouse liver 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-SFR1 antigen affinity purified polyclonal antibody (#AAA126499) 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 SFR1 at approximately 22 kDa. The expected band size for SFR1 is at 28 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SFR1 antibody	SFR1 is a component of the SWI5-SFR1 complex, a complex required for double-strand break repair via homologous recombination.
Product Categories/Family for anti-SFR1 antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	50593526
NCBI GeneID	119392
NCBI Accession #	NP_001002759.1
NCBI GenBank Nucleotide #	NM_001002759.1
UniProt Accession #	Q86XK3; Q5JT39; Q5JT40; Q8WW47; A8K569; B2RTV8
Molecular Weight	26,735 Da
NCBI Official Full Name	swi5-dependent recombination DNA repair protein 1 homolog isoform a
NCBI Official Synonym Full Names	SWI5-dependent homologous recombination repair protein 1
NCBI Official Symbol	SFR1
NCBI Official Synonym Symbols	MEI5; MEIR5; C10orf78; bA373N18.1
NCBI Protein Information	swi5-dependent recombination DNA repair protein 1 homolog
UniProt Protein Name	Swi5-dependent recombination DNA repair protein 1 homolog
UniProt Gene Name	SFR1
UniProt Synonym Gene Names	C10orf78; MEI5; MEIR5
UniProt Entry Name	SFR1_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://www.aaabiotech.com/polyclonal/sfr1-antibody-flow-cytometry-western-blot-elisa/126499>