

## Rabbit Sulfatase 2 Polyclonal Antibody | anti-SULF2 antibody

Sulfatase 2 Antibody

| CATALOG # | HOST   | REACTIVITY                                                                                                   | APPLICATIONS |
|-----------|--------|--------------------------------------------------------------------------------------------------------------|--------------|
| AAA329065 | Rabbit | Human, Mouse, Rat, Monkey<br>Predicted Reactivity: Pig(100%), Bovine(88%), Horse(100%), Sheep(88%), Dog(88%) | ELISA        |

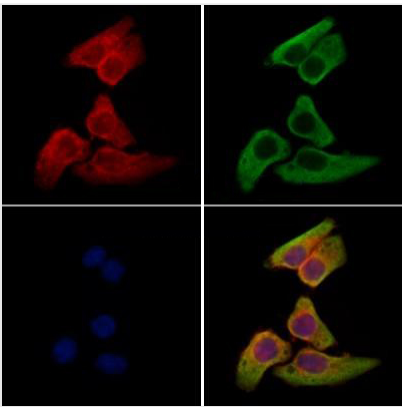
### PRODUCT SYNONYMS

Sulfatase 2; Polyclonal Antibody; Sulfatase 2 Antibody; Extracellular sulfatase Sulf 2; Extracellular sulfatase Sulf-2; HSulf-2; HSulf2; Sulf2; SULF2\_HUMAN; anti-SULF2 antibody

### PRODUCT SPECIFICATIONS

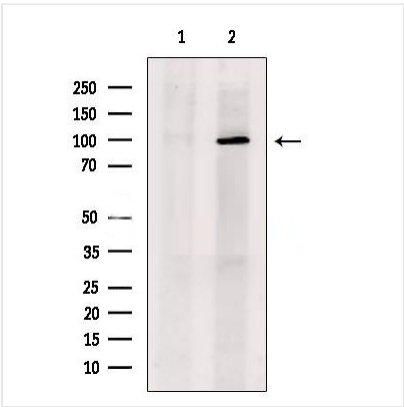
|                                                 |                                                                                                                          |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                   |
| Reactivity                                      | Human, Mouse, Rat, Monkey<br>Predicted Reactivity: Pig(100%), Bovine(88%), Horse(100%), Sheep(88%), Dog(88%)             |
| Clonality                                       | Polyclonal                                                                                                               |
| Isotype                                         | IgG                                                                                                                      |
| Specificity                                     | Sulfatase 2 Antibody detects endogenous levels of total Sulfatase 2.                                                     |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific). |
| Form/Format                                     | Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol                  |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                   |
| Sequence Length                                 | 870                                                                                                                      |
| Applicable Applications for anti-SULF2 antibody | ELISA                                                                                                                    |
| Immunogen                                       | A synthesized peptide derived from human Sulfatase 2, corresponding to a region within the internal amino acids.         |
| Fragment                                        | Fab fragment                                                                                                             |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                                        |

IMAGES



IF (Immunofluorescence)

AAA329065 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA329065 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from VERO cells, using Sulfatase 2 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                     |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SULF2 antibody | Function: Exhibits arylsulfatase activity and highly specific endoglucosamine-6-sulfatase activity. It can remove sulfate from the C-6 position of glucosamine within specific subregions of intact heparin.                        |
|                                                     | Post Translational Modifications: The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity. |
|                                                     | Subcellular Location: Endoplasmic reticulum. Golgi apparatus>Golgi stack. Cell surface. Note: Also localized on the cell surface.                                                                                                   |
|                                                     | Tissue Specificity: Expressed at highest levels in the ovary, skeletal muscle, stomach, brain, uterus, heart, kidney and placenta.                                                                                                  |
|                                                     | Similarity: Belongs to the sulfatase family.                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 240255483                                                                                      |
| NCBI GeneID                      | 55959                                                                                          |
| NCBI Accession #                 | NP_001155313.1                                                                                 |
| NCBI GenBank Nucleotide #        | NP_001155313.1                                                                                 |
| UniProt Accession #              | Q8IWU5                                                                                         |
| Molecular Weight                 | Observed Molecular Weight: (Observed)100kD.<br>Predicted Molecular Weight: (Calculated)100kDa. |
| NCBI Official Full Name          | extracellular sulfatase Sulf-2 isoform a                                                       |
| NCBI Official Synonym Full Names | sulfatase 2                                                                                    |
| NCBI Official Symbol             | SULF2                                                                                          |
| NCBI Official Synonym Symbols    | HSULF-2                                                                                        |
| NCBI Protein Information         | extracellular sulfatase Sulf-2                                                                 |
| UniProt Protein Name             | Extracellular sulfatase Sulf-2                                                                 |

|                            |                   |
|----------------------------|-------------------|
| UniProt Gene Name          | SULF2             |
| UniProt Synonym Gene Names | KIAA1247; hSulf-2 |
| UniProt Entry Name         | SULF2_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/sulfatase-2-antibody-elisa/329065>