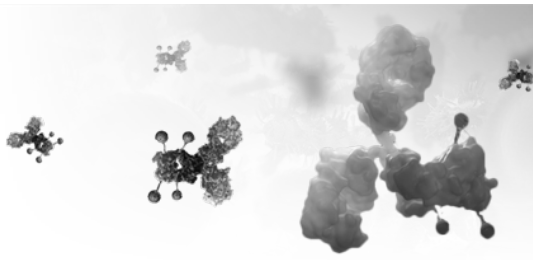

# Anti-MSRB1 (aa 1-84) polyclonal antibody (DPAB-DC2203)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

| | |
|---|---|
| **Antigen Description** | This gene encodes a selenoprotein, which contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon that normally signals translation termination. The 3 UTR of selenoprotein genes have a common stem-loop structure, the sec insertion sequence (SECIS), that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. This protein belongs to the methionine sulfoxide reductase (Msr) protein family which includes repair enzymes that reduce oxidized methionine residues in proteins. The protein encoded by this gene is expressed in a variety of adult and fetal tissues and localizes to the cell nucleus and cytosol. |
| **Immunogen** | SEPX1 (NP_057416, 1 a.a. ~ 84 a.a) partial recombinant protein with GST tag. The sequence is MSFCSFFGGEVFQNHFEPGVYVCAKCGYELFSSRSKYAHSSPWPAFTETIHADSVAKRPEHNRSEALKVSCGKCGNGLGHEFLN |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Conjugate** | Unconjugated |
| **Applications** | WB (Recombinant protein), ELISA, |
| **Size** | 50 µl |
| **Buffer** | 50 % glycerol |
| **Preservative** | None |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

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# GENE INFORMATION

| | |
|---|---|
| **Gene Name** | MSRB1 methionine sulfoxide reductase B1 [ Homo sapiens (human) ] |
| **Official Symbol** | MSRB1 |
| **Synonyms** | MSRB1; methionine sulfoxide reductase B1; SELR; SELX; SepR; SEPX1; HSPC270; methionine-R-sulfoxide reductase B1; selenoprotein R; selenoprotein X, 1; |
| **Entrez Gene ID** | 51734 |
| **Protein Refseq** | NP_057416 |
| **UniProt ID** | Q9NZV6 |
| **Chromosome Location** | 16p13.3 |
| **Pathway** | Selenium; Selenium Pathway. |
| **Function** | actin binding; methionine-R-sulfoxide reductase activity; peptide-methionine (R)-S-oxide reductase activity; zinc ion binding |

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