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## Product Information

<b>Product SKU:</b>	CAB6737	<b>Gene ID:</b>	51734	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	-	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human,Mouse,Rat

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## Additional Information

<b>Observed MW:</b>	13kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	13kDa	<b>Isotype:</b>	IgG

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## Immunogen Information

<b>Background:</b>	<p>The protein encoded by this gene belongs to the methionine-R-sulfoxide reductase B (MsrB) family. Members of this family function as repair enzymes that protect proteins from oxidative stress by catalyzing the reduction of methionine-R-sulfoxides to methionines. This protein is highly expressed in liver and kidney, and is localized to the nucleus and cytosol. It is the only member of the MsrB family that is a selenoprotein, containing a selenocysteine (Sec) residue at its active site. It also has the highest methionine-R-sulfoxide reductase activity compared to other members containing cysteine in place of Sec. Sec is encoded by the UGA codon, which normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, designated the Sec insertion sequence (SECIS) element, that is necessary for the recognition of UGA as a Sec codon, rather than as a stop signal. A pseudogene of this locus has been identified on chromosome 19.</p>
<b>Recommended Dilution:</b>	WB,1:500 - 1:2000 IHC-P,1:100 - 1:500 IF/ICC,1:50 - 1:100
<b>Synonyms:</b>	SELR; SELX; SepR; SEPX1; HSPC270; SELENOR; SELENOX; MSRB1
<b>Purification Method:</b>	Affinity purification
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1-94 of human MSRB1 (NP_057416.1).
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.