# MSRB1 Rabbit pAb

Catalog No.: A6737 2 Publications



## **Basic Information**

#### **Observed MW**

13kDa

#### **Calculated MW**

13kDa

#### Category

Primary antibody

### **Applications**

WB,IHC-P,IF/ICC,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat

# **Background**

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.

## **Recommended Dilutions**

**WB** 1:500 - 1:2000

IHC-P 1:100 - 1:500

**IF/ICC** 1:50 - 1:100

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

## Immunogen Information

**Gene ID**51734

Swiss Prot
Q9NZV6

#### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

## **Synonyms**

SELR; SELX; SepR; SEPX1; HSPC270; SELENOR; SELENOX; MSRB1

## **Contact**

<b>a</b>		400-999-6126
$\bowtie$		cn.market@abclonal.com.cn
•	T	www.abclonal.com.cn

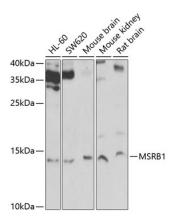
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

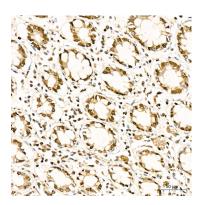


Western blot analysis of various lysates using MSRB1 Rabbit pAb (A6737) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins:  $25\mu g$  per lane.

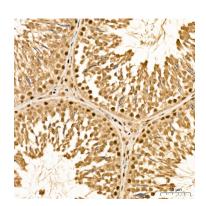
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

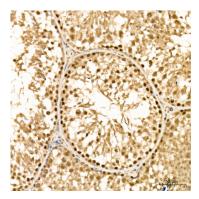
Exposure time: 30s.



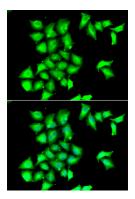
Immunohistochemistry analysis of paraffinembedded Human colon tissue using MSRB1 Rabbit pAb (A6737) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat testis tissue using MSRB1 Rabbit pAb (A6737) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse testis tissue using MSRB1 Rabbit pAb (A6737) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of HeLa cells using MSRB1 Rabbit pAb (A6737). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.