



COSMO BIO CO., LTD.  
Inspiration for Life Science

## Cosmo Bio Co., Ltd

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## Catalog No. CBX00674

Mouse monoclonal antibody

Anti-Human SECISBP2

### ■ Formulation

Mouse monoclonal anti-human SECISBP2 antibody in PBS (3.0 mM KCl, 1.5 mM KH<sub>2</sub>PO<sub>4</sub>, 140 mM NaCl, 8.0 mM Na<sub>2</sub>HPO<sub>4</sub> (pH 7.4)) containing 1% bovine serum albumin (BSA) and 0.05% sodium azide (NaN<sub>3</sub>).

### ■ Antibody concentration

100 µg/ml (1.0 ml)

### ■ Storage

Store at 2-8°C for up to one year.  
We recommend storing at -20°C for long-term storage.  
Avoid repeat freezing and thawing cycles.

### ■ Preparation

This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.

### ■ Sterility

Filtered through a 0.22 µm membrane.

### ■ Applications

WB, Dot Blot,

### ■ Disposal

This antibody solution contains sodium azide (NaN<sub>3</sub>) as a preservative. There is a potential hazard that NaN<sub>3</sub> reacts with copper or lead to produce an explosive compound. For safe disposal, the vial has to be washed thoroughly with water.

### ■ Safety warnings and precautions

Caution must be taken to avoid contact with skin or eyes. In such a case, rinse thoroughly at once with water. Do not ingest, inhale, or swallow. Seek medical attention immediately.

Wear appropriate protective clothing such as laboratory overalls, safety glasses and gloves.

It is strongly advised that this product should be handled by people who have been well trained in laboratory techniques and that it is handled with care pursuant to the principles of good laboratory practice.

All chemicals are deemed potentially harmful.

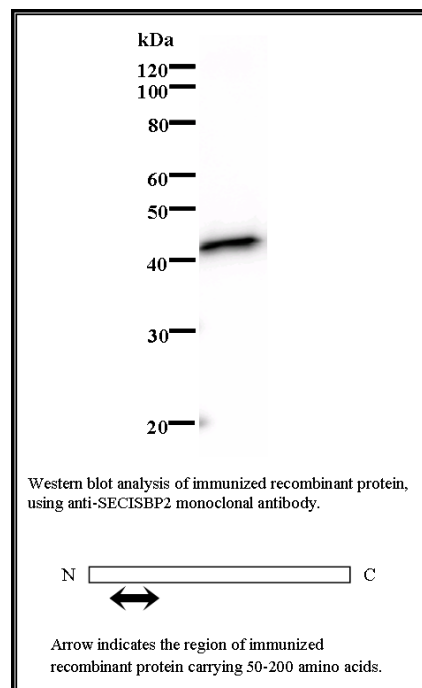
The vial is prone to fall over. Use caution, especially when the lid is off.

Lot No. 2957C2a-1

Clone No. 2957C2a

Antibody class : IgG1

Immunogen : Recombinant



FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC PROCEDURES.

manufactured by BMR



Catalog No. **BMR00674**

**Mouse monoclonal antibody**

**Anti-Human SECISBP2**

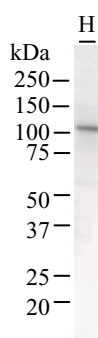
### ■ Background

The incorporation of selenocysteine into a protein requires the concerted action of an mRNA element called a sec insertion sequence (SECIS), a selenocysteine-specific translation elongation factor and a SECIS binding protein. With these elements in place, a UGA codon can be decoded as selenocysteine. The gene described in this record encodes a nuclear protein that functions as a SECIS binding protein. Mutations in this gene have been associated with a reduction in activity of a specific thyroxine deiodinase, a selenocysteine-containing enzyme, and abnormal thyroid hormone metabolism. [NCBI Entrez Gene Summary]

### ■ Recommended condition

WB: 0.2-2 µg/ml

### ■ Application



Detection of human SECISBP2 by Western blot.  
Samples: Whole cell lysate (25 µg) from HEK293 cells.  
[Lot No. 2957C2a-1]  
Predicted molecular weight: 95 kDa