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Datasheet for ABIN6265932

anti-USP51 antibody

2 Images

Overview

| | |
|--------------|--------------------------------------|
| Quantity: | 100 µL |
| Target: | USP51 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This USP51 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA |

Product Details

| | |
|-------------------|---|
| Immunogen: | A synthesized peptide derived from human USP51 |
| Isotype: | IgG |
| Specificity: | USP51 Antibody detects endogenous levels of total USP51 |
| Cross-Reactivity: | Human, Mouse (Murine), Rat (Rattus) |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

Target Details

| | |
|-------------------|---|
| Target: | USP51 |
| Alternative Name: | USP51 (USP51 Products) |
| Background: | Description: Specifically deubiquitinates 'Lys-14' (H2AK13Ub) and 'Lys-16'(H2AK15Ub) of |

Target Details

histone H2A regulating the DNA damage response at double-strand breaks (DSBs) (PubMed:27083998). USP51 is recruited to chromatin after DNA damage and regulates the dynamic assembly/disassembly of TP53BP1 and BRCA1. Exhibits also activity for 'Lys-27' or 'Lys-63'-linked di-ubiquitin (PubMed:27083998).

Gene: USP51

Molecular Weight: 80 kDa

Gene ID: 158880

UniProt: [Q70EK9](#)

Application Details

Application Notes: WB 1:1000-3000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

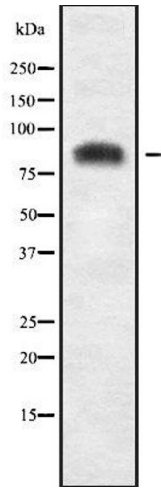
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

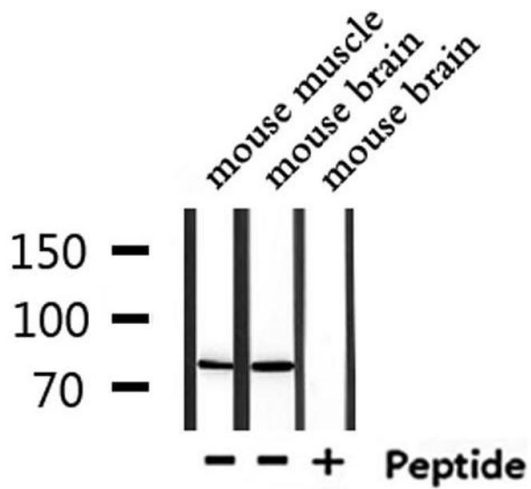
Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt

Expiry Date: 12 months



Western Blotting

Image 1. Western blot analysis USP51 using COS7 whole cell lysates



Western Blotting

Image 2. Western blot analysis of extracts from mouse muscle and mouse brain, using USP51 Antibody.