Datasheet for ABIN682153

anti-SQSTM1 antibody (AA 51-150)

Overview

<table>
<thead>
<tr>
<th>Quantity:</th>
<th>100 μL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target:</td>
<td>SQSTM1</td>
</tr>
<tr>
<td>Binding Specificity:</td>
<td>AA 51-150</td>
</tr>
<tr>
<td>Reactivity:</td>
<td>Human, Mouse, Rat, Cow</td>
</tr>
<tr>
<td>Host:</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Clonality:</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Conjugate:</td>
<td>This SQSTM1 antibody is un-conjugated</td>
</tr>
<tr>
<td>Application:</td>
<td>Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))</td>
</tr>
</tbody>
</table>

Product Details

<table>
<thead>
<tr>
<th>Immunogen:</th>
<th>KLH conjugated synthetic peptide derived from human SQSTM1/Ubiquitin-binding protein p62</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isotype:</td>
<td>IgG</td>
</tr>
<tr>
<td>Predicted Reactivity:</td>
<td>Dog, Cow, Sheep, Pig, Horse, Rabbit</td>
</tr>
<tr>
<td>Purification:</td>
<td>Purified by Protein A.</td>
</tr>
</tbody>
</table>

Target Details

<table>
<thead>
<tr>
<th>Target:</th>
<th>SQSTM1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternative Name:</td>
<td>SQSTM1 (SQSTM1 Products)</td>
</tr>
</tbody>
</table>
### Target Details

**Background:** Autophagy receptor that interacts directly with both the cargo to become degraded and an autophagy modifier of the MAP1 LC3 family. Required both for the formation and autophagic degradation of polyubiquitin-containing bodies, called ALIS (aggresome-like induced structures) and links ALIS to the autophagic machinery. Involved in midbody ring degradation. May regulate the activation of NFKB1 by TNF-alpha, nerve growth factor (NGF) and interleukin-1. May play a role in titin/TTN downstream signaling in muscle cells. May regulate signaling cascades through ubiquitination. Adapter that mediates the interaction between TRAF6 and CYLD (By similarity). May be involved in cell differentiation, apoptosis, immune response and regulation of K(+) channels.

**Subcellular location:** Cytoplasm, Nucleus

**Synonyms:** p60, p62, A170, OSIL, PDB3, ZIP3, p62B, Sequestosome-1, EBI3-associated protein of 60 kDa, EBIAP, Phosphotyrosine-independent ligand for the Lck SH2 domain of 62 kDa, Ubiquitin-binding protein p62, SQSTM1, ORCA

**Gene ID:** 8878

**UniProt:** Q13501

**Pathways:** NF-kappaB Signaling, Neurotrophin Signaling Pathway, Autophagy

### Application Details

**Application Notes:**
- WB 1:300-5000
- ELISA 1:500-1000
- IHC-P 1:200-400
- IHC-F 1:100-500
- IF(IHC-P) 1:50-200
- IF(IHC-F) 1:50-200
- IF(ICC) 1:50-200

**Restrictions:** For Research Use only

### Handling

**Format:** Liquid

**Concentration:** 1 μg/μL

**Buffer:** 0.01M TBS(pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

**Preservative:** ProClin
Handling

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

Storage: -20 °C

Storage Comment: Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications


Images

**ELISA**

**Image 1.** 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 5000, TMB staining, Read the data in Microplate Reader by 450 nm

**Immunohistochemistry**

**Image 2.** Formalin-fixed and paraffin embedded rat brain labeled with Anti-SQSTM1 Polyclonal Antibody, Unconjugated (ABIN682153) at 1:200, followed by conjugation to the secondary antibody and DAB staining
Image 3. L1 rat kidney lysates, L2 rat brain lysates probed:
Anti-GDF9 (ABIN682153) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted and observed band size: 48kDa and 62kDa

Please check the product details page for more images. Overall 7 images are available for ABIN682153.