**Product datasheet**

**Anti-REDD-1/DDIT4 antibody ab106356**

**Overview**

**Product name**
Anti-REDD-1/DDIT4 antibody

**Description**
Rabbit polyclonal to REDD-1/DDIT4

**Host species**
Rabbit

**Tested applications**
Suitable for: ICC/IF, IHC-P, WB

**Species reactivity**
Reacts with: Mouse, Rat, Human

**Immunogen**
Synthetic peptide corresponding to Human REDD-1/DDIT4 (internal sequence).
Database link: NP_061931

**Positive control**
Human kidney tissue lysate; Mouse kidney tissue.

**Properties**

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Store at 4°C (stable for up to 12 months).

**Storage buffer**
Preservative: 0.02% Sodium azide
Constituent: PBS

**Purity**
Immunogen affinity purified

**Clonality**
Polyclonal

**Isotype**
IgG

**Applications**

Our Abpromise guarantee covers the use of ab106356 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>IHC-P</td>
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<td>Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval via the microwave method before commencing with IHC staining protocol.</td>
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Function
Inhibits cell growth by regulating the TOR signaling pathway upstream of the TSC1-TSC2 complex and downstream of AKT1. Promotes neuronal cell death.

Tissue specificity
Broadly expressed, with lowest levels in brain, skeletal muscle and intestine. Up-regulated in substantia nigra neurons from Parkinson disease patients (at protein level).

Sequence similarities
Belongs to the DDIT4 family.

Cellular localization
Cytoplasm.

Target

Application | Abreviews | Notes
--- | --- | ---
WB | Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 25 kDa.

Images

Western blot - Anti-REDD-1/DDIT4 antibody (ab106356)

Lane 1 : Anti-REDD-1/DDIT4 antibody (ab106356) at 0.5 µg/ml
Lane 2 : Anti-REDD-1/DDIT4 antibody (ab106356) at 1 µg/ml

All lanes : Human kidney tissue lysate

Lysates/proteins at 15 µg per lane.

Predicted band size: 25 kDa

Immunohistochemistry detection of REDD-1/DDIT4 in paraffin embedded mouse kidney tissue section using ab106356 at 5 µg/ml.
Immunofluorescence of REDD-1/DDIT4 in mouse kidney tissue with ab106356 at 20 μg/mL.

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