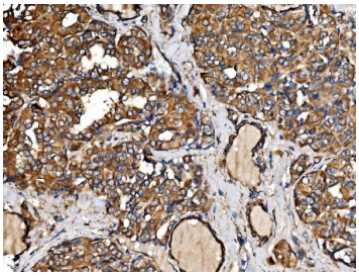
# IRBIT Antibody / AHCYL1 (RQ6710)

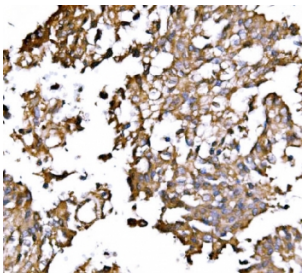
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ6710 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

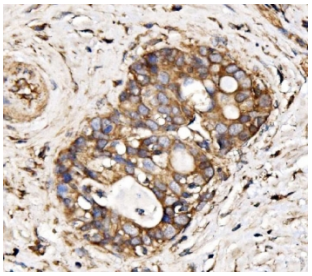
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | O43865 |
| **Localization** | Cytoplasmic |
| **Applications** | Western blot: 1-2ug/ml<br>Immunohistochemistry (FFPE): 2-5ug/ml<br>Immunofluorescence (FFPE): 5ug/ml<br>Flow cytometry: 1-3ug/million cells<br>Direct ELISA: 0.1-0.5ug/ml |
| **Limitations** | This IRBIT antibody is available for research use only. |



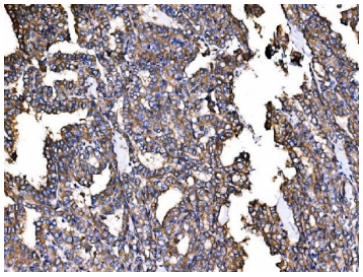
IHC staining of FFPE human thyroid papillary carcinoma tissue with IRBIT antibody.
HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



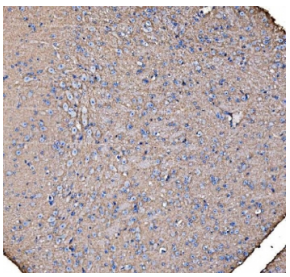
IHC staining of FFPE human laryngeal squamous cell carcinoma tissue with IRBIT antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



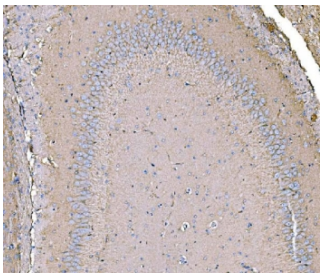
IHC staining of FFPE human bladder adenosquamous carcinoma tissue with IRBIT antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



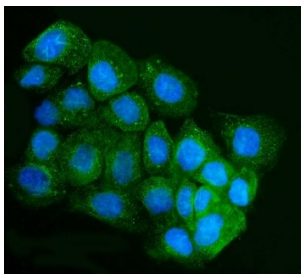
IHC staining of FFPE human Hashimoto's thyroiditis tissue with IRBIT antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



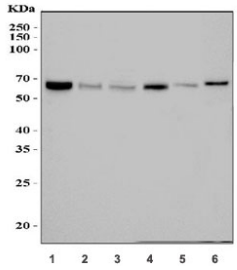
IHC staining of FFPE mouse brain tissue with IRBIT antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



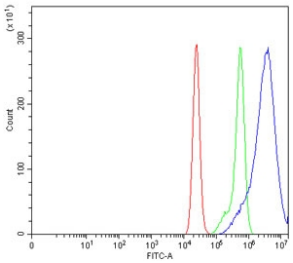
IHC staining of FFPE rat brain tissue with IRBIT antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



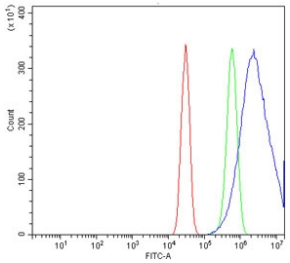
Immunofluorescent staining of FFPE human A431 cells with IRBIT antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



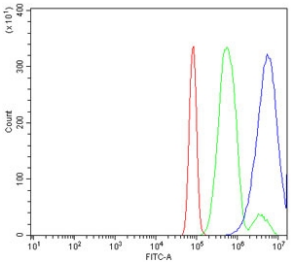

Western blot testing of 1) human HeLa, 2) human HEK293, 3) human HepG2, 4) human MCF7, 5) rat pancreas and 6) mouse pancreas tissue lysate with IRBIT antibody. Predicted molecular weight ~59 kDa.




Flow cytometry testing of human Caco-2 cells with IRBIT antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IRBIT antibody.




Flow cytometry testing of mouse HEPA1-6 cells with IRBIT antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IRBIT antibody.




Flow cytometry testing of rat RH35 cells with IRBIT antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IRBIT antibody.

## Description

Putative adenosylhomocysteinase 2 is an enzyme that in humans is encoded by the AHCYL1 gene. The protein encoded by this gene interacts with inositol 1,4,5-trisphosphate receptor, type 1 and may be involved in the conversion of S-adenosyl-L-homocysteine to L-homocysteine and adenosine. Several transcript variants encoding two different isoforms have been found for this gene.

## Application Notes

Optimal dilution of the IRBIT antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids E14-K57) was used as the immunogen for the IRBIT antibody.

## Storage

After reconstitution, the IRBIT antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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