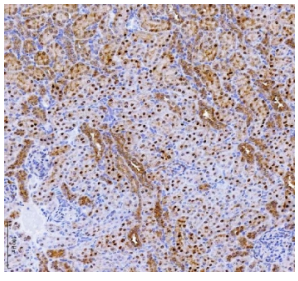
# Batf2 Antibody / Basic leucine zipper transcription factor ATF-like 2 (RQ6947)

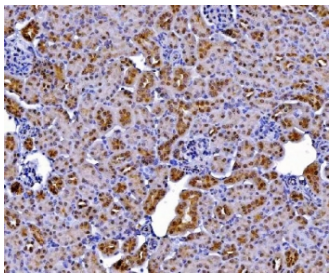
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ6947 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | 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** | Q8R1H8 |
| **Localization** | Nuclear |
| **Applications** | Western Blot : 0.5-1 ug/ml<br>Immunohistochemistry (FFPE) : 2-5ug/ml<br>Direct ELISA : 0.1-0.5ug/ml |
| **Limitations** | This Batf2 antibody is available for research use only. |



IHC staining of FFPE rat kidney tissue with Batf2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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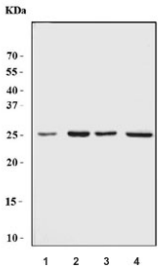


Western blot testing of 1) rat C6, 2) rat brain, 3) mouse brain and 4) mouse kidney lysate with Batf2 antibody. Predicted molecular weight ~29 kDa.

## Description

Basic leucine zipper transcription factor ATF-like 2 is a protein that in humans is encoded by the BATF2 gene. BATF2 (basic leucine zipper transcription factor, ATF-like 2) is a 274 amino acid protein that localizes to the nucleus and contains one bZIP domain, suggesting that it may be involved in transcriptional regulation. The gene encoding BATF2, which is expressed as multiple alternatively spliced isoforms, is located on human chromosome 11. With approximately 135 million base pairs and 1,400 genes, chromosome 11 comprises approximately 4% of human genomic DNA and is considered a gene and disease association dense chromosome. The chromosome 11 encoded Atm gene is important for regulation of cell cycle arrest and apoptosis following double strand DNA breaks. Atm mutation leads to the disorder known as ataxia-telangiectasia. The blood disorders Sickle cell anemia and thalassemia are caused by HBB gene mutations, while WilmsÃ¯Â¿Â½ tumors, WAGR syndrome and Denys-Drash syndrome are associated with mutations of the WT1 gene. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-LemliOpitz syndrome are also associated with defects in chromosome 11-encoded genes.

## Application Notes

Optimal dilution of the Batf2 antibody should be determined by the researcher.

## Immunogen

Recombinant mouse Batf2 protein (amino acids M1-L138) was used as the immunogen for the Batf2 antibody.

## Storage

After reconstitution, the Batf2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.