

**IRF2BP2 Antibody**  
**Catalog # ASC11438****Specification****IRF2BP2 Antibody - Product Information**

Application	WB, ICC, E
Primary Accession	<a href="#">Q7Z5L9</a>
Other Accession	<a href="#">NP_892017, 116734704</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	IRF2BP2 antibody can be used for detection of IRF2BP2 by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 2.5 µg/mL.

**IRF2BP2 Antibody - Additional Information**

Gene ID **359948**

**Target/Specificity**

IRF2BP2; At least two isoforms of IRF2BP2 are known to exist; this antibody will detect both. This antibody is predicted to not cross-react with any FOXD4 protein family members.

**Reconstitution & Storage**

IRF2BP2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

IRF2BP2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**IRF2BP2 Antibody - Protein Information**

**Name** IRF2BP2

**Function**

Acts as a transcriptional corepressor in a IRF2-dependent manner; this repression is not mediated by histone deacetylase activities (PubMed:<a href="http://www.uniprot.org/citations/12799427" target="\_blank">12799427</a>). Represses the NFAT1-dependent transactivation of NFAT-responsive promoters (PubMed:<a href="http://www.uniprot.org/citations/21576369" target="\_blank">21576369</a>). Acts as a coactivator of VEGFA expression in cardiac and skeletal muscles (PubMed:<a href="http://www.uniprot.org/citations/20702774" target="\_blank">20702774</a>). Plays a role in immature B-cell differentiation (PubMed:<a href="http://www.uniprot.org/citations/27016798" target="\_blank">27016798</a>).

**Cellular Location**

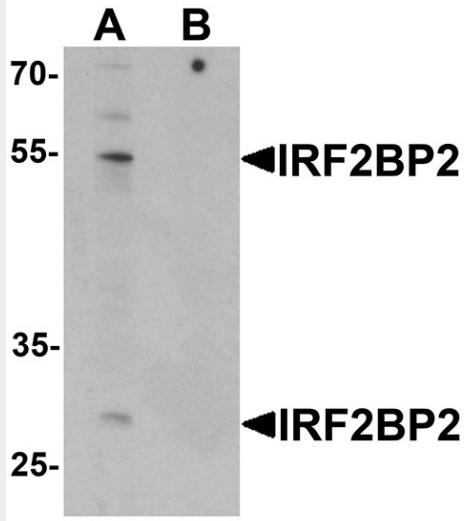
Cytoplasm. Nucleus.

### IRF2BP2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### IRF2BP2 Antibody - Images



Western blot analysis of IRF2BP2 in HeLa cell lysate with IRF2BP2 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide



Immunocytochemistry of IRF2BP2 in A20 cells with IRF2BP2 antibody at 2.5 µg/mL.

### IRF2BP2 Antibody - Background

IRF2BP2 Antibody: IRF2BP2, like the related protein IRF2BP1, is a co-repressor that interacts specifically with the C-terminal repression domain of Interferon Regulatory Factor 2 (IRF2). IRF2BP2

is a direct target gene of p53 and is involved in cell survival during the p53 stress response, able to impede the p53-mediated transactivation of p21 and Bax. IRF2BP2 is also a co-factor of VGLL4 and is required to induce the expression of vascular endothelial growth factor A (VEGF-A) in muscle. It is normally found in the nucleus of skeletal muscle and cardiac cells, but can be found in the cytoplasm during skeletal muscle differentiation.

#### **IRF2BP2 Antibody - References**

Childs KS and Goodbourn S. Identification of novel co-repressor molecules for interferon regulatory factor-2. *Nuc. Acids Res.* 2003; 31:3016-26

Koeppel M, van Heeringen SJ, Smeenk L, et al. The novel p53 target gene IRF2BP2 participates in cell survival during the p53 stress response. *Nuc. Acids Res.* 2009; 37:322-35.

Teng ACT, Kuraitis D, Deeke SA, et al. IRF2BP2 is a skeletal and cardiac muscle-enriched ischemia-inducible activator of VEGFA expression. *FASEB J.* 2010; 24:4825-34.

Teng ACT, Al-montashiri NAM, Cheng BLM, et al. Identification of a phosphorylation-dependent nuclear localization motif in interferon regulatory factor 2 binding protein 2. *PLoS One* 2011; 6:e24100.