

## Product Datasheet

# Phospho-IREB1 (Ser711) Antibody

Catalog No: AY0360

Reactivity: Human:S711,Mouse:S711,Rat:S711

Isotype: Rabbit IgG

Applications: WB,IHC,ELISA



[www.abways.com](http://www.abways.com)

### Information

**UniProt ID:** P21399

**All Names:** ACO1, Aconitate hydratase, EC 4.2.1.3, Ferritin repressor protein, IRE-BP 1, IRE1, IREBP1, IRP1, aconitase, citrate hydro-lyase, iron regulatory protein 1, iron-responsive element binding protein 1

**Form:** Liquid

**Storage instructions:** Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Storage buffer:** pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

**Immunogen:** A synthesized peptide

**Molecular Wt.:** 98 Kda

### Application

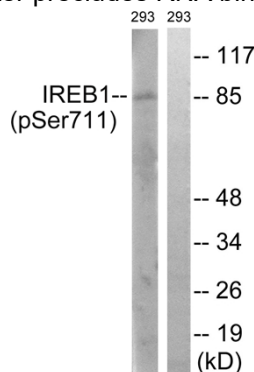
WB: 1:500~1:3000

IHC: 1:50~1:100

ELISA: 1:10000

### Background

Iron sensor. Binds a 4Fe-4S cluster and functions as aconitase when cellular iron levels are high. Functions as mRNA binding protein that regulates uptake, sequestration and utilization of iron when cellular iron levels are low. Binds to iron-responsive elements (IRES) in target mRNA species when iron levels are low. Binding of a 4Fe-4S cluster precludes RNA binding.



Western blot analysis of extracts from 293 cells, treated with insulin (0.01U/ml, 30mins), using IREB1 (Phospho-Ser711) antibody.

**For Research Use Only. Not For Use In Diagnostic Procedures.**

[www.abways.com](http://www.abways.com)