

## C14orf2 Polyclonal Antibody

**catalog number:** E-AB-19636

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

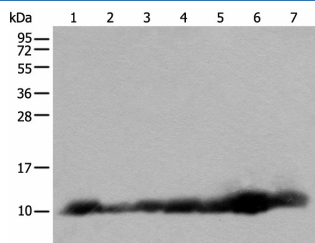
### Description

<b>Reactivity</b>	Human;Mouse
<b>Immunogen</b>	Synthetic peptide of human C14orf2
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen affinity purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

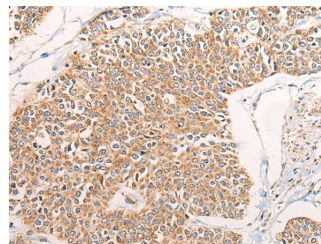
### Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:40-1:200

### Data



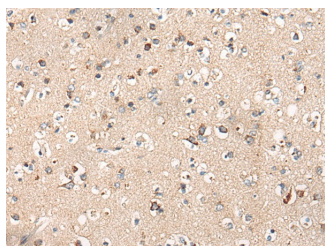
Western blot analysis of 293T and RAW264.7 cell Human fetal brain tissue Jurkat and 231 cell Human heart tissue Hela cell lysates using C14orf2 Polyclonal Antibody at dilution of 1:600



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using C14orf2 Polyclonal Antibody at dilution of 1:60(×200)

**Observed-MW:Refer to figures**

**Calculated-MW:7 kDa**



Immunohistochemistry of paraffin-embedded Human brain tissue using C14orf2 Polyclonal Antibody at dilution of 1:60(×200)

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

### For Research Use Only

C14orf2, also known as MP68, MP68 is a 58 amino acid mitochondrial protein that belongs to the small mitochondrial proteolipid family. The gene encoding MP68 maps to human chromosome 14, which houses over 700 genes and comprises nearly 3.5% of the human genome. Chromosome 14 encodes the presenilin 1 (PSEN1) gene, which is one of the three key genes associated with the development of Alzheimer's disease (AD). The SERPINA1 gene is also located on chromosome 14 and, when defective, leads to the genetic disorder  $\alpha$ 1-antitrypsin deficiency, which is characterized by severe lung complications and liver dysfunction.