

For Research Use Only

# ESX1 Polyclonal antibody

Catalog Number:14657-1-AP



## Basic Information

**Catalog Number:**  
14657-1-AP

**Size:**  
150ul , Concentration: 350 ug/ml by Nanodrop and 187 ug/ml by Bradford method using BSA as the standard;

**Source:**  
Rabbit

**Isotype:**  
IgG

**Immunogen Catalog Number:**  
AG6269

**GenBank Accession Number:**  
BC053599

**GeneID (NCBI):**  
80712

**UNIPROT ID:**  
Q8N693

**Full Name:**  
ESX homeobox 1

**Calculated MW:**  
44 kDa

**Observed MW:**  
65 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**  
WB, IP, ELISA

**Species Specificity:**  
human, mouse

**Positive Controls:**

WB : mouse brain tissue,

IP : mouse brain tissue,

## Background Information

ESX1, also named as ESX1L and ESX1R , is an X-linked homeobox gene primarily expressed in the placenta and testis, with physiological functions in placenta/fetus development and spermatogenesis. It has a substantively different C-terminal region subject to strong purifying selection. ESX1 can be cleaved into 2 part: ESXR1-N(45kd) and ESXR1-C(20kd). ESXR1-N acts as a transcriptional repressor. ESXR1-C has the ability to inhibit cyclin turnover.

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

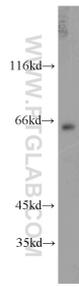
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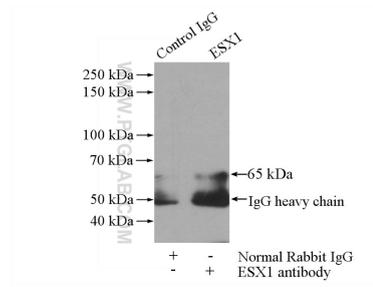
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## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 14657-1-AP (ESX1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP result of anti-ESX1 (IP:14657-1-AP, 4ug; Detection:14657-1-AP 1:500) with mouse brain tissue lysate 3440ug.