

## **PRODUCT INFORMATION**

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**Product name : FOXB1 antibody**

**Product type : Primary antibodies**

**Description : Rabbit polyclonal to FOXB1**

**Immunogen : 3 synthetic peptides (human) conjugated to KLH**

**Reacts with : Hu, Ms**

**Tested applications : ELISA, WB and IF**

## **GENE INFORMATION**

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**Gene Symbol : FOXB1**

**Gene Name : forkhead box B1**

**Ensembl ID : ENSG00000171956**

**Entrez GeneID : 27023**

**GenBank Accession number : AF055080**

**Omim ID : N/A**

**Swiss-Prot : Q99853**

**Molecular weight of FOXB1 : 35kDa**

**Expected subcellular localization : Nucleus**

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## **APPLICATION NOTE**

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### **Recommended dilution :**

- **ELISA:** Antibody specificity was verified by direct ELISA against the 3 immunogen peptides. A titer of 1/12000 has been determined. Appropriate specificity controls were run.
- **WB:** 1/5000.
- **IF:** 1/1000

**Optimal dilutions/concentration should be determined by the end user.**

**Raised in :** Rabbit

**Clonality :** Polyclonal

**Isotype :** IgG

**Purity :** Purified Antibody

**Storage buffer :** 0.5 X PBS, containing a final concentration of 50% Glycerol, 0.1% BSA and 0.01% Thimerosal.

**Form :** Liquid

**Storage instruction :** Store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

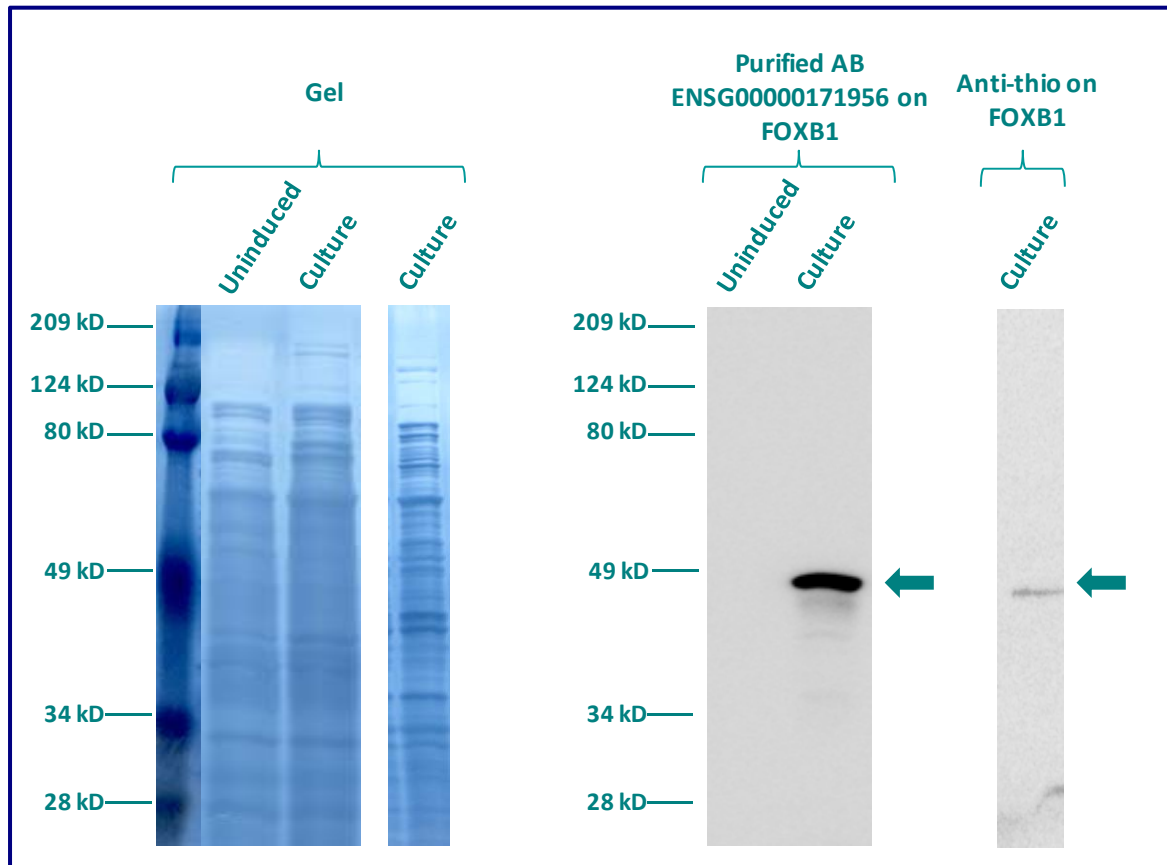
## WESTERN BLOT ON RECOMBINANT PROTEIN

The purified antibody ENSG00000171956 has been tested at 1/5000 on uninduced (negative control) and induced culture of E.coli (one shot Top10 competent cells).

An anti-thio (positive control) has been tested at 1/5000 on uninduced (negative control) and induced culture of E.coli (one shot Top10 competent cells) as a positive control.

Plasmid name : pBAD-DEST49.

Molecular weight of FOXB1 : 49kDa (35kDa + another 14kDa for the tag).



Gel concentration: 10%

Blocking: in 5% non-fat milk-PBST solution

1<sup>st</sup> Antibody: The antibodies are diluted in blocking buffer.

- Dilute the purified antibody ENSG00000171956 at 1:5000
- Dilute the anti-thio at 1:5000

60 minutes of incubation

2<sup>nd</sup> Antibody: The antibody is diluted in blocking buffer.

- Dilute the anti-Rabbit IgG HRP conjugated at 1/10000
- 60 minutes of incubation

## IMMUNOFLUORESCENCE ANALYSIS

Immunofluorescence analysis of Forkhead box protein B1 (FOXB1) expression in 2 cells lines (Capan-2, SH-SY5Y). The purified Antibody ENSG00000171956 has been tested at 1/5000.

**Red staining :** cytoskeleton (microtubules/ $\alpha$ -tubuline)

**Blue staining :** nucleus (Hoechst)

**Green staining :** anti- FOXB1 antibody (purified)

**Expected subcellular location :** Nucleus

