

PRODUCT INFORMATION

Product name : ZNF410 antibody

Product type : Primary antibodies

Description : Mouse monoclonal to ZNF410

Immunogen : 1 synthetic peptide (human) conjugated to KLH

Reacts with : Hu, Ms

Tested applications : ELISA, WB & IF

GENE INFORMATION

Gene Symbol : ZNF410

Gene Name : zinc finger protein 410

Ensembl ID : ENSG00000119725

Entrez GeneID : 57862

GenBank Accession number : U90919

Swiss-Prot : Q86VK4

Molecular weight : 55.8, 52.1, 47.3, 44.3 & 29.8kDa

Function : Transcription factor that activates transcription of matrix-remodeling genes such as MMP1 during fibroblast senescence.

Expected subcellular localization : Nucleus.

Expected tissue specificity : Widely expressed.

APPLICATION NOTE

Recommended dilution :

- **ELISA:** Antibody specificity was verified by direct ELISA against the 1 immunogen peptide. A titer of 7800 has been determined. Appropriate specificity controls were run.
- **WB:** Dilution 1/10000
- **IF:** Dilution 1/50

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

Raised in : Mouse

Clonality : Monoclonal

Isotype : IgG

Purity : Purified Antibody

Concentration: 2mg/ml

Storage buffer : Containing a final concentration of PBS/glycerol (V/V), 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

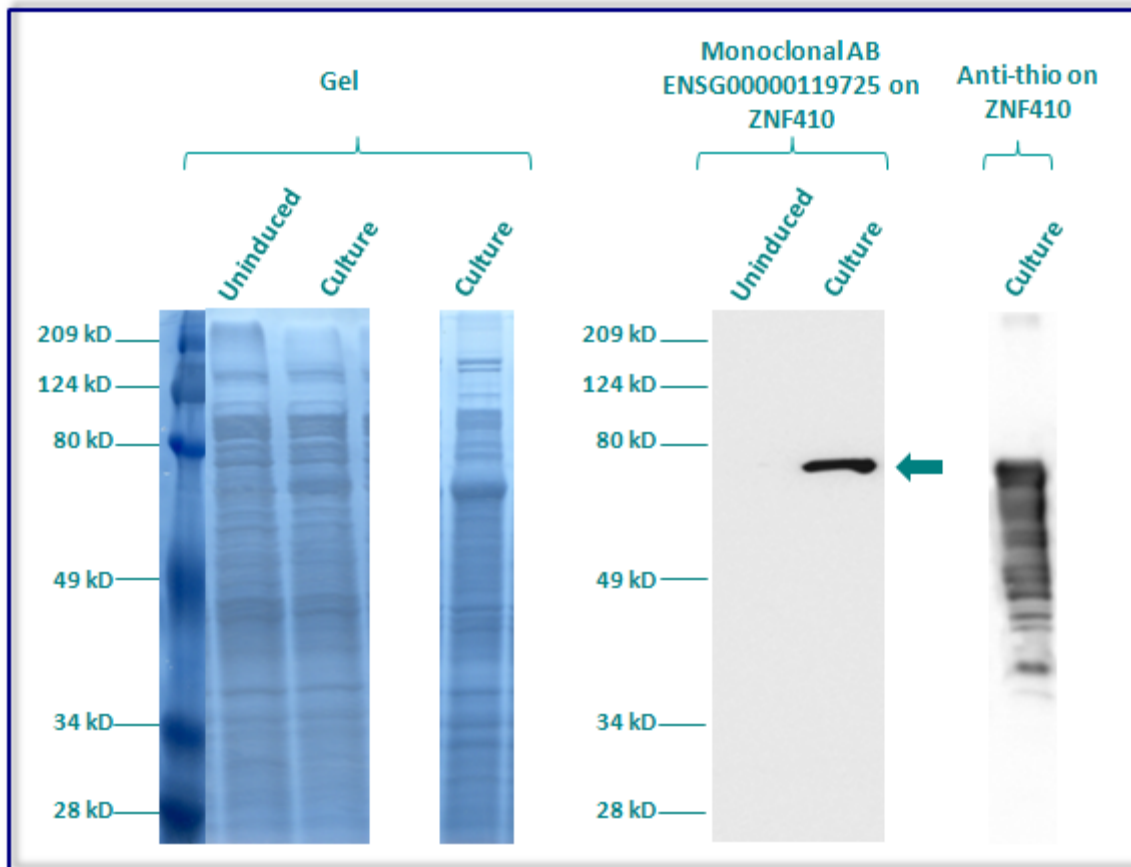
The monoclonal purified antibody ENSG00000119725 has tested at 1/10000 on uninduced (negative control) and induced culture of E.coli (one shot Top10 competent cells).

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

Clone : 5E3F9H9, Isotype : G1; kappa

Plasmid name : pBAD-DEST49.

Molecular weight of ZNF410 : 68.1kDa (52.1kDa + another 14kDa for the tag).



Gel concentration: 10%

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

1st Antibody: The antibodies are diluted in blocking buffer.

- Dilute the purified antibody ENSG00000119725 at 1:10000
- Dilute the anti-thio at 1:5000

60 minutes of incubation

2nd Antibody: The antibody is diluted in blocking buffer.

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

IMMUNOFLUORESCENCE ANALYSIS

Immunofluorescence analysis of Zinc finger protein 410 (ZNF410) expression in 6 cells lines (HELA, 293T/17, Capan-2, SAOS-2, SH-SY5Y, Skin 3,44). The monoclonal antibody ENSG00000119725 has been tested at 1/50.

Green staining : cytoskeleton (microtubules/ α -tubuline)

Blue staining : nucleus (Hoechst)

Red staining : anti-ZNF410 antibody (purified)

Expected subcellular location : Nucleus

Expected tissue specificity : Widely expressed

