

## Anti-FRA2 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Chicken, Dog, Pig, Cow, Rabbit, Sheep, Guinea Pig)
Molecular Weight:	Theoretical: 36 kDa. Actual: 44 kDa.
Purification:	Protein A purified

### Applications

1. Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Incubation: Anti-FRA2/FOSL2 Polyclonal Antibody, Unconjugated (TMAB-06156) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining

2. Tissue/cell: mouse lymphoma tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Incubation: Anti-FRA2/FOSL2 Polyclonal Antibody, Unconjugated (TMAB-06156) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining

3. Blank control: A549.

Primary Antibody (green line): Rabbit Anti-FRA2 antibody (TMAB-06156)

Dilution: 1 µg / 10<sup>6</sup> cells;

Verified Activity: Isotype Control Antibody (orange line): Rabbit IgG.

Secondary Antibody: Goat anti-rabbit IgG-PE

Dilution: 3 µg / test.

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

4. Sample:

Lane 1: Mouse Small intestine tissue lysates

Lane 2: Rat Small intestine tissue lysates

Primary: Anti-FRA2 (TMAB-06156) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 36 kD

Observed band size: 44 kD

## A DRUG SCREENING EXPERT

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Application: WB,IHC-P,IHC-Fr,IF,FCM

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 3µg/Test

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human FRA2

Antigen Species: Human

Gene ID: 2355

Uniprot ID: P15408

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### Research Background

Fos and Jun dimerize to form Activator Protein 1 (AP1), a transcriptional factor that binds to the 12-O-tetradecanoylphorbol 13 acetate (TPA) response element (TRE) of several cellular and viral genes including human collagenase, metallothionein IIa, stromelysin, interleukin 2, SV40 and polyoma. Fos and Jun contain the 'leucine-zipper' motif that allows for dimerization and an adjacent basic domain required for biological activity. The functionally active form of Fos is in a heterodimer with a member of the Jun family. While Jun family members can form functional homodimers, studies indicate that Fos family members do not self-associate and therefore do not bind DNA on their own. The various dimers differ in their ability to transactivate AP1 dependent genes.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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