

## Anti-FOS Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 41 kDa. Actual: 55 kDa.
Purification:	Protein A purified

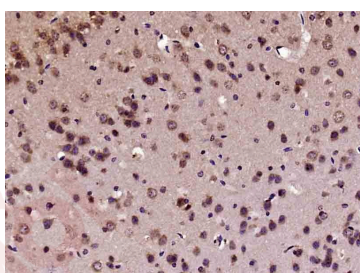
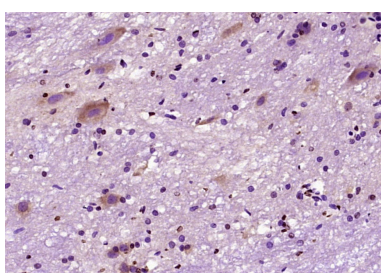
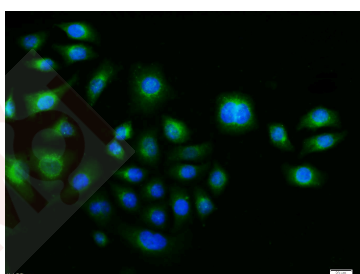
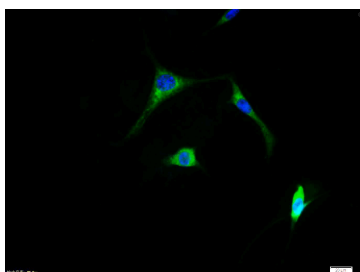
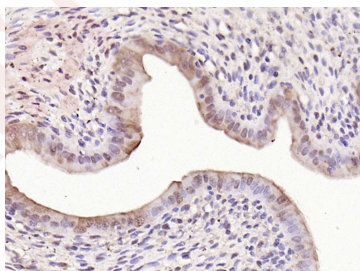
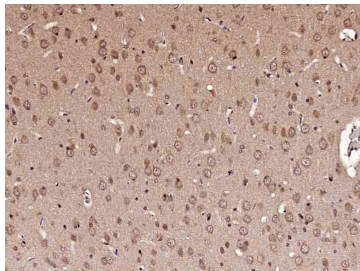
## Applications

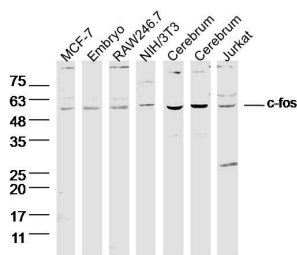
1. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (c-fos) Polyclonal Antibody, Unconjugated (TMAB-00698) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded (rat uterus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (c-fos) Polyclonal Antibody, Unconjugated (TMAB-00698) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
3. Tissue/cell: A431 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (c-fos) polyclonal Antibody, Unconjugated (TMAB-00698) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.
4. Tissue/cell: MCF7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (c-fos) polyclonal Antibody, Unconjugated (TMAB-00698) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.
5. Paraformaldehyde-fixed, paraffin embedded (Rat spinal cord); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (c-fos) Polyclonal Antibody, Unconjugated (TMAB-00698) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (c-fos) Polyclonal Antibody, Unconjugated (TMAB-00698) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
7. MCF-7 Cell (Human) Lysate at 30 µg  
Embryo (Mouse) Lysate at 40 µg  
RAW246.7 (Mouse) lysate at 30 µg  
NIH/3T3 (Mouse) lysate at 30 µg  
Cerebrum (Mouse) Lysate at 40 µg  
Cerebrum (Rat) Lysate at 40 µg  
Primary: Anti-c-fos (TMAB-00698) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Verified Activity:

Predicted band size: 41 kDa

Observed band size: 55 kDa





Application: ICC/IF,IF,IHC-Fr,IHC-P,WB

Recommended ICC/IF=1:100-500; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

## Properties

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

Shipping: Shipping with blue ice.

## Antigen Details

Immunogen: KLH conjugated synthetic peptide: human c-fos

Antigen Species: Human

Gene ID: 2353

Uniprot ID: P01100

Synonyms: AP 1;Oncogene FOS;Cellular oncogene c fos;C FOS;FBJ murine osteosarcoma viral (v fos) oncogene homolog (oncogene FOS);Proto-oncogene c-Fos;G0S7;FBJ Osteosarcoma Virus;p55;G0/G1 switch regulatory protein 7;Activator protein 1

Biology Area: Transcription factors,Oncoproteins,Proto-oncogenes,Leucine Zipper,Soma marker

## Research Background

The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. In some cases, expression of the FOS gene has also been associated with apoptotic cell death. [provided by RefSeq, Jul 2008].

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