SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-FRA2 antibody

SL1188R

Product Name:	FRA2
Chinese Name:	FRA2/FOSL2抗体
Alias:	FLJ23306; Fos L2; FOS like antigen 2; Fos related antigen 2; FosL 2; FosL2; FOSL2; FOSL2_HUMAN; FRA 2; fos-related antigen 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,Sheep,Guinea Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=3ug/testIF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	36kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FRA2:231-326/326
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Function:
Controls osteoclast survival and size (By similarity). As a dimer with JUN, activates LIF transcription (By similarity). Activates CEBPB transcription in PGE2-activated osteoblasts (By similarity).

Subunit:
Heterodimer

Subcellular Location:
Nuclear

Similarity:
Belongs to the bZIP family. Fos subfamily.
Contains 1 bZIP (basic-leucine zipper) domain.

SWISS:
P15408

Gene ID:
2355

Database links:

Entrez Gene: 2355 Human

Entrez Gene: 421416 Chicken

Entrez Gene: 14284 Mouse

Entrez Gene: 25446 Rat

Omim: 601575 Human

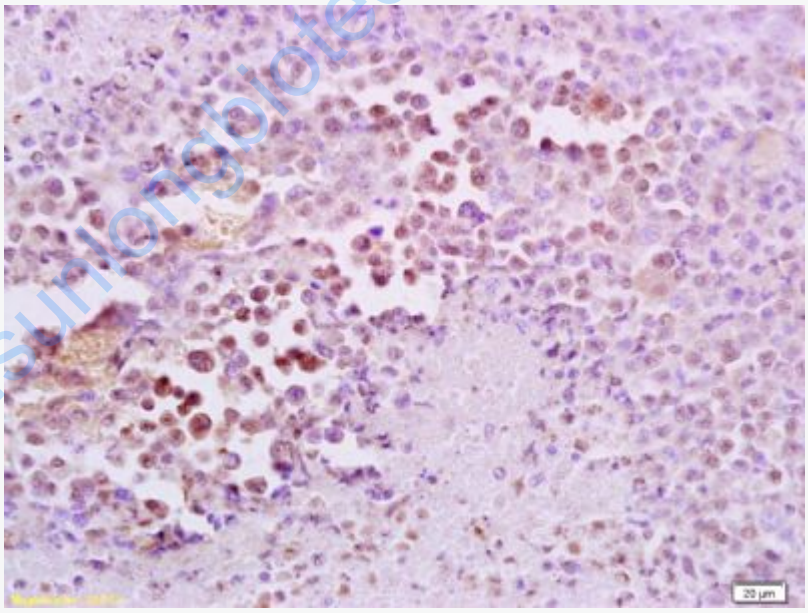
SwissProt: P18625 Chicken

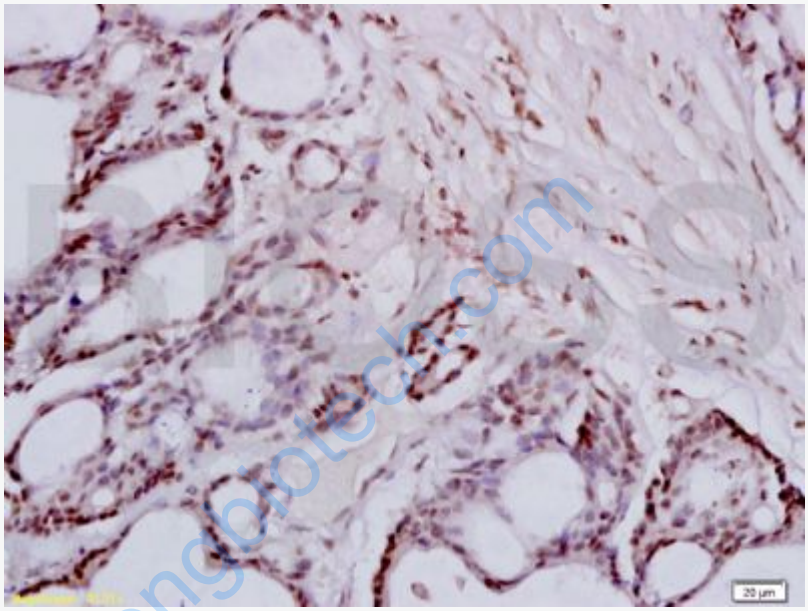
SwissProt: P15408 Human

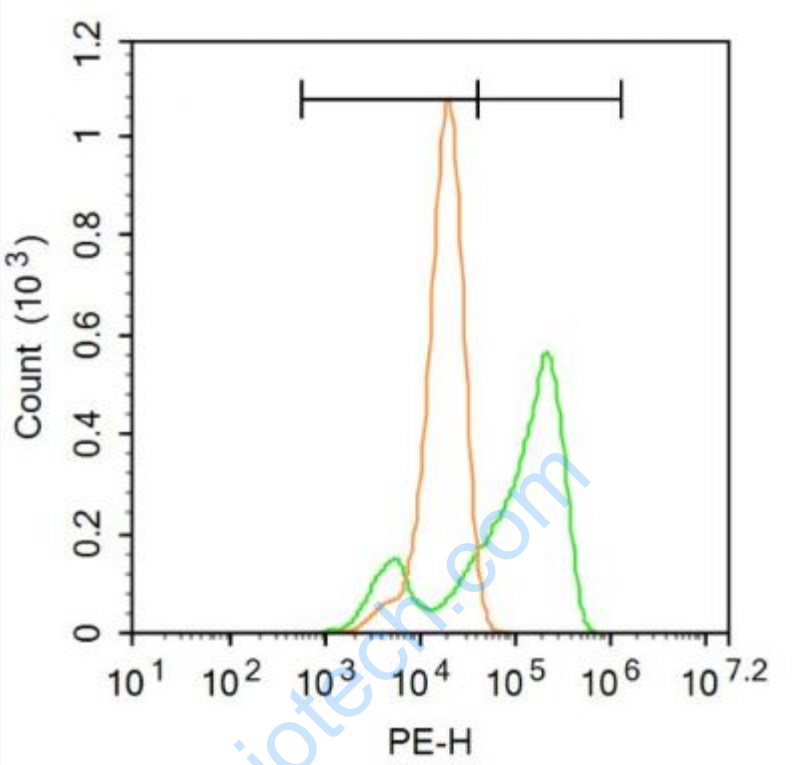
SwissProt: P47930 Mouse

SwissProt: P51145 Rat

Unigene: 220971 Human

	Unigene: 596972 Human Unigene: 24684 Mouse Unigene: 10962 Rat Unigene: 163577 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. FOSL2蛋白对cell factor、生长因子、感染或致癌刺激等生理或病理信号发生应答,调节基因的转录,参与细胞的增殖、分化等过程. FOSL2在Tumour形成及发展过程中,通过促进细胞增殖、抑制分化、促进Tumour细胞的侵袭和转移等过程发挥作用.
Picture:	 Tissue/cell: mouse lymphoma tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

	Incubation: Anti-FRA2/FOSL2 Polyclonal Antibody, Unconjugated(SL1188R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining
	
	Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-FRA2/FOSL2 Polyclonal Antibody, Unconjugated(SL1188R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: A549.

Primary Antibody (green line): Rabbit Anti-FRA2 antibody (SL1188R)

Dilution: 1μg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-PE

Dilution: 3μg /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at-20℃. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at 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.