

FOSL2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10972C

Product Information

Application	WB, IHC-P, E
Primary Accession	P15408
Other Accession	P51145 , P47930 , P18625 , NP_005244.1
Reactivity	Human, Hamster, Rat, Mouse
Predicted	Chicken, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24397
Calculated MW	35193
Antigen Region	95-122

Additional Information

Gene ID	2355
Other Names	Fos-related antigen 2, FRA-2, FOSL2, FRA2
Target/Specificity	This FOSL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 95-122 amino acids from the Central region of human FOSL2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FOSL2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FOSL2
Synonyms	FRA2
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).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:P51145}.

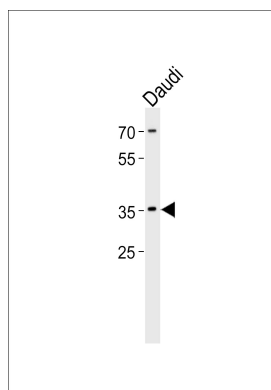
Background

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.

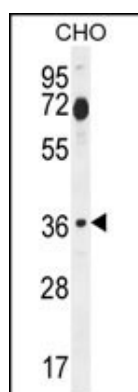
References

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Reich, N., et al. Arthritis Rheum. 62(1):280-290(2010)
Maurer, B., et al. Circulation 120(23):2367-2376(2009)
Tabakoff, B., et al. BMC Biol. 7, 70 (2009) :

Images

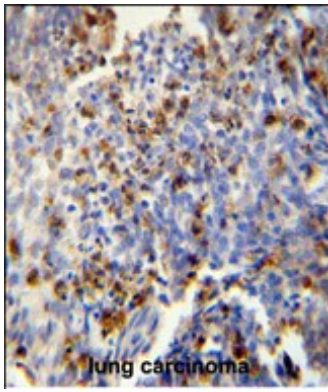


Western blot analysis of lysate from Daudi cell line, using FOSL2 Antibody (Center)(Cat. #AP10972c). AP10972c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



FOSL2 Antibody (Center) (Cat. #AP10972c) western blot analysis in CHO cell line lysates (35ug/lane). This demonstrates the FOSL2 antibody detected the FOSL2 protein (arrow).

FOSL2 antibody (Center) (Cat. #AP10972c) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FOSL2 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



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