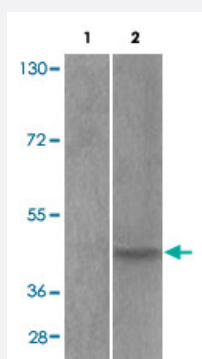


FOS (phospho T232) polyclonal antibody

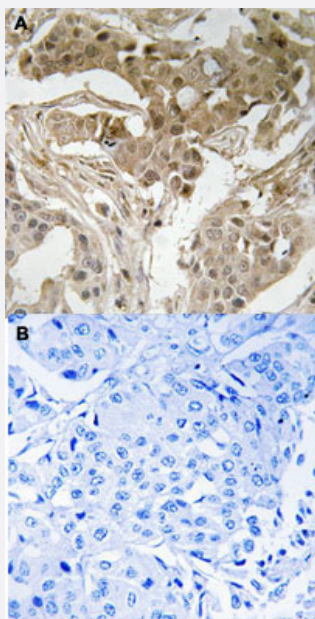
Catalog # PAB29224 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: antigen-specific peptide treated COS7 cells, Lane 2: COS7 cells with FOS (phospho T232) polyclonal antibody (Cat # PAB29224) at 1:500-1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human breast carcinoma tissue by FOS (phospho T232) polyclonal antibody (Cat # PAB29224) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic phosphopeptide of human FOS.

Immunogen

Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding T232 of human FOS.

Host	Rabbit
Theoretical MW (kDa)	48
Reactivity	Human, Mouse
Specificity	This antibody detects endogenous levels of FOS only when phosphorylated at threonine 232.
Form	Liquid
Purification	Affinity purification
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (without Mg ²⁺ and Ca ²⁺), (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: antigen-specific peptide treated COS7 cells, Lane 2: COS7 cells with FOS (phospho T232) polyclonal antibody (Cat # PAB29224) at 1:500-1000 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human breast carcinoma tissue by FOS (phospho T232) polyclonal antibody (Cat # PAB29224) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

Gene Info — FOS

Entrez GeneID	2353
Protein Accession#	P01100
Gene Name	FOS
Gene Alias	AP-1, C-FOS
Gene Description	v-fos FBJ murine osteosarcoma viral oncogene homolog
Omim ID	164810

Gene Ontology

[Hyperlink](#)

Gene Summary

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]

Other Designations

FBJ murine osteosarcoma viral (v-fos) oncogene homolog (oncogene FOS)|activator protein 1|cellular oncogene c-fos

Pathway

- [B cell receptor signaling pathway](#)
- [Colorectal cancer](#)
- [MAPK signaling pathway](#)
- [Pathways in cancer](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Anorexia Nervosa](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)

- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)