

Product datasheet for **TA806862AM**

c Fos (FOS) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI3B8]

Product data:

| | |
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| Product Type: | Primary Antibodies |
| Clone Name: | OTI3B8 |
| Applications: | IHC, WB |
| Recommended Dilution: | WB 1:2000, IHC 1:150 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human FOS (NP_005243) produced in E.coli. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Biotin |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 40.5 kDa |
| Gene Name: | Fos proto-oncogene, AP-1 transcription factor subunit |
| Database Link: | NP_005243 Entrez Gene 14281 Mouse Entrez Gene 314322 Rat Entrez Gene 2353 Human P01100 |
| 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] |



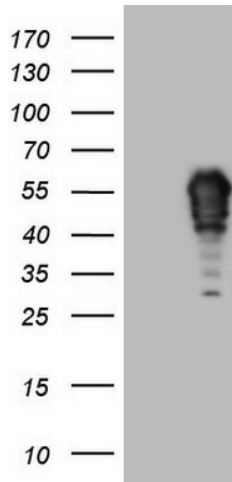
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Synonyms: AP-1; C-FOS; p55

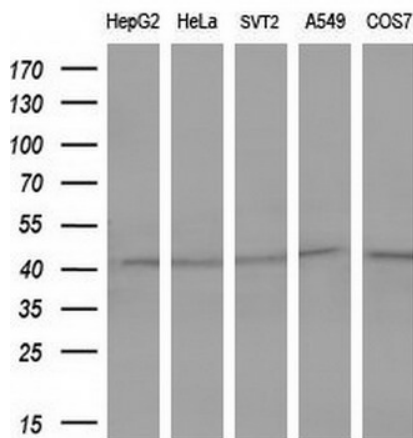
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: B cell receptor signaling pathway, Colorectal cancer, MAPK signaling pathway, Pathways in cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway

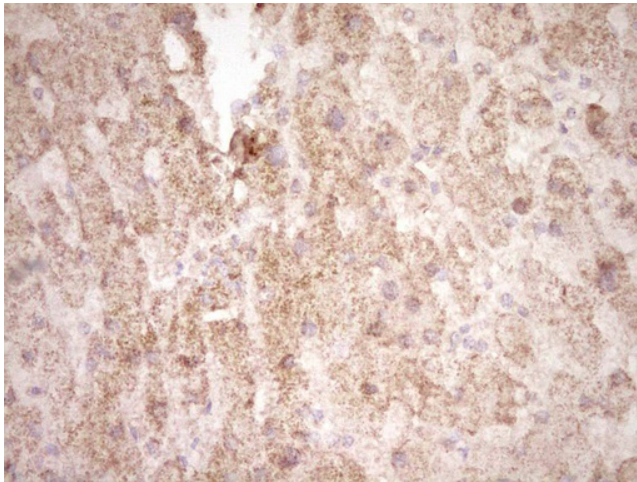
Product images:



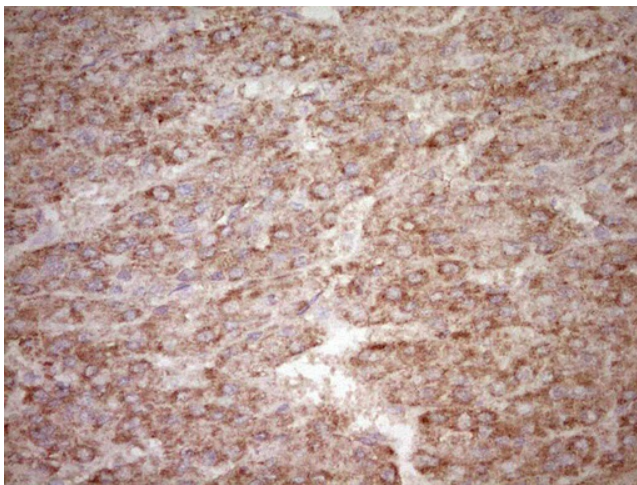
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FOS ([RC202597], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FOS. Positive lysates [LY401614] (100ug) and [LC401614] (20ug) can be purchased separately from OriGene.



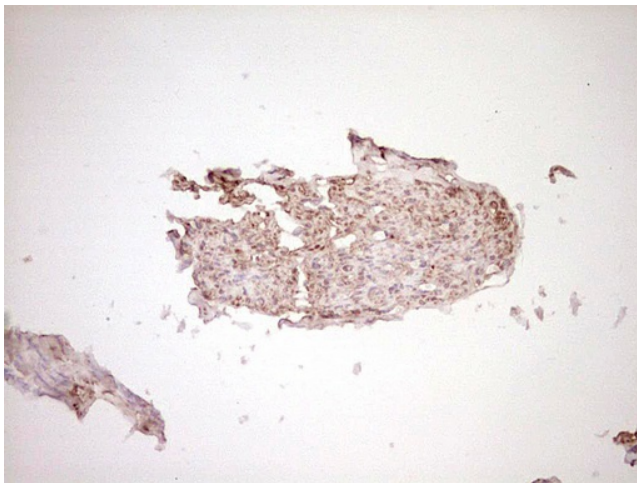
Western blot analysis of extracts (10ug) from 5 different cell lines by using anti-FOS monoclonal antibody (1:200).



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-FOS mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA806862])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-FOS mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA806862])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-FOS mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA806862])