

TFAP2C
Purified Mouse Monoclonal Antibody
Catalog # AO2522a

Specification

TFAP2C - Product Information

Application **E, WB, IHC**
 Primary Accession [Q92754](#)
 Reactivity **Human**
 Host **Mouse**
 Clonality **Monoclonal**
 Isotype **Mouse IgG1**
 Calculated MW **49.2kDa KDa**

Immunogen

Purified recombinant fragment of human TFAP2C (AA: 341-450) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

TFAP2C - Additional Information

Gene ID 7022

Other Names

ERF1; TFAP2G; hAP-2g; AP2-GAMMA

Dilution

E~~ 1/10000
 WB~~ 1/500 - 1/2000
 IHC~~1/200 - 1/1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TFAP2C is for research use only and not for use in diagnostic or therapeutic procedures.

TFAP2C - Protein Information

Name TFAP2C

Function

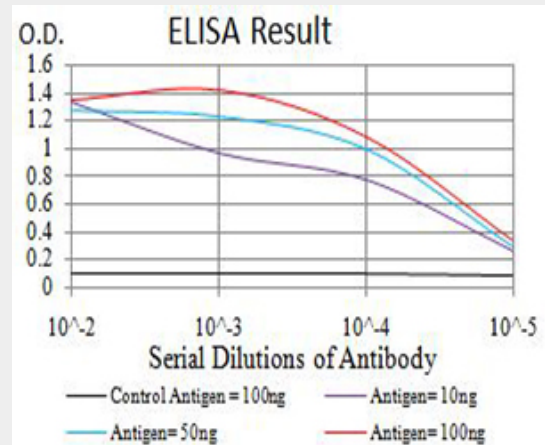


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

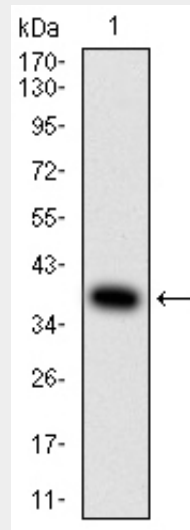


Figure 2: Western blot analysis using TFAP2C mAb against human TFAP2C (AA: 341-450) recombinant protein. (Expected MW is 38.2 kDa)

Sequence-specific DNA-binding protein that interacts with inducible viral and cellular enhancer elements to regulate transcription of selected genes. AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions including proper eye, face, body wall, limb and neural tube development. They also suppress a number of genes including MCAM/MUC18, C/EBP alpha and MYC. Involved in the MTA1-mediated epigenetic regulation of ESR1 expression in breast cancer.

Cellular Location
 Nucleus.

TFAP2C - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

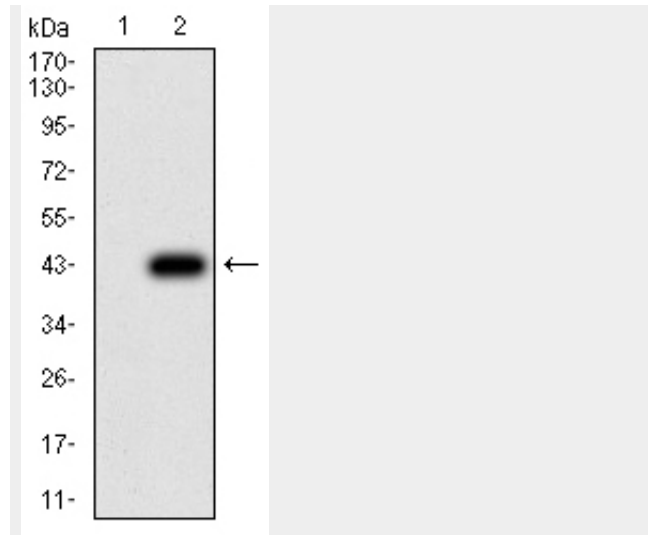


Figure 3: Western blot analysis using TFAP2C mAb against HEK293 (1) and TFAP2C (AA: 341-450)-hlgGfc transfected HEK293 (2) cell lysate.

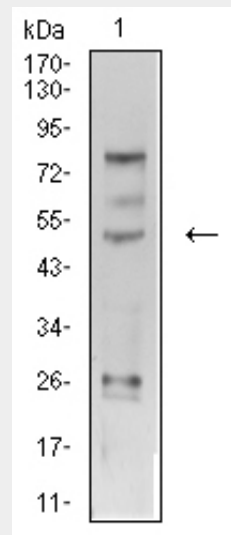


Figure 4: Western blot analysis using TFAP2C mouse mAb against SK-Br-3 (1) cell lysate.

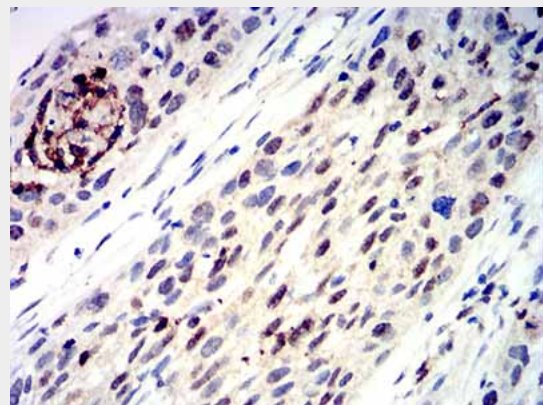


Figure 5: Immunohistochemical analysis of

paraffin-embedded esophageal cancer tissues using TFAP2C mouse mAb with DAB staining.

TFAP2C - References

1. Breast Cancer Res Treat. 2015 Aug;152(3):519-31. 2. Ann Surg Oncol. 2013 Jul;20(7):2204-12.