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M Tfap2c Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20531a

Specification

M Tfap2c Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q61312
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**49137**
Antigen Region	**123-144**

M Tfap2c Antibody (N-term) - Additional Information

Gene ID 21420

Other Names
Transcription factor AP-2 gamma, AP2-gamma, AP-22, Activating enhancer-binding protein 2 gamma, Tfap2c, Tcfap2c

Target/Specificity
This Mouse Tfap2c antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 123-144 amino acids from the N-terminal region of Mouse Tfap2c.

Dilution
WB~~1:1000
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
M Tfap2c Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

M Tfap2c Antibody (N-term) - Protein Information

Name Tfap2c {ECO:0000303|PubMed:38243114}

Synonyms Tcfap2c

Function Sequence-specific DNA-binding transcription factor that interacts with cellular enhancer elements to regulate transcription of selected genes, and which plays a key role in early embryonic development (PubMed:38243114, PubMed:8660922). AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions (PubMed:38243114, PubMed:8660922). TFAP2C plays a key role in early embryonic development by regulating both inner cell mass (ICM) and trophectoderm differentiation (PubMed:38243114). At the 8-cell stage, during morula development, controls expression of cell-polarity genes (PubMed:38243114). Upon trophoblast commitment, binds to late trophectoderm genes in blastocysts together with CDX2, and later to extra-embryonic ectoderm genes together with SOX2 (PubMed:38243114). Binds to both closed and open chromatin with other transcription factors (PubMed:38243114).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q92754}.

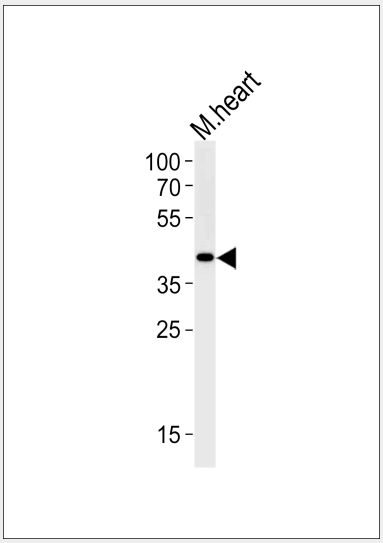
Tissue Location
Expressed in lung, ovary and testis. Expressed in most squamous epithelia. Also, detected in several exocrine glands including the prostate, the preputial and salivary glands, serous glands of the tongue and ocular harderian glands

M Tfap2c Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

M Tfap2c Antibody (N-term) - Images



Mouse Tfap2c Antibody (N-term) (Cat. #AP20531a) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the Mouse Tfap2c antibody detected the Mouse Tfap2c

protein (arrow).

M Tfap2c Antibody (N-term) - Background

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.

M Tfap2c Antibody (N-term) - References

Oulad-Abdelghani M., et al. Exp. Cell Res. 225:338-347(1996).
Carninci P., et al. Science 309:1559-1563(2005).
Church D.M., et al. PLoS Biol. 7:E1000112-E1000112(2009).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Yahata T., et al. Genomics 80:601-613(2002).