

Goat Anti-AP-2 gamma Antibody
Peptide-affinity purified goat antibody
Catalog # AF1068a**Specification**

Goat Anti-AP-2 gamma Antibody - Product Information

Application	IHC
Primary Accession	Q92754
Other Accession	NP_003213 , 7022
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	49177

Goat Anti-AP-2 gamma Antibody - Additional Information**Gene ID** 7022**Other Names**

Transcription factor AP-2 gamma, AP2-gamma, Activating enhancer-binding protein 2 gamma, Transcription factor ERF-1, TFAP2C

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

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

Goat Anti-AP-2 gamma Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-AP-2 gamma Antibody - Protein Information**Name** TFAP2C**Function**

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

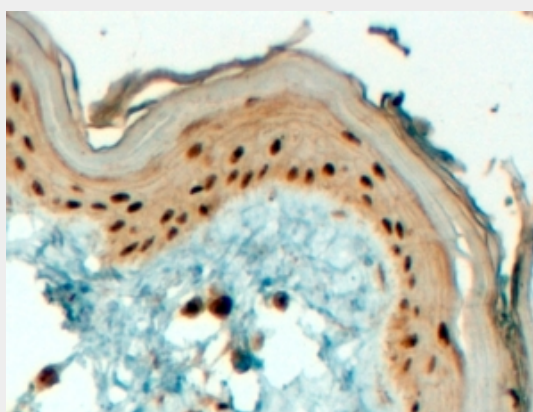
Nucleus.

Goat Anti-AP-2 gamma Antibody - 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](#)

Goat Anti-AP-2 gamma Antibody - Images



AF1068a (4 µg/ml) staining of paraffin embedded Human Skin. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.

Goat Anti-AP-2 gamma Antibody - Background

The protein encoded by this gene is a sequence-specific DNA-binding transcription factor involved in the activation of several developmental genes. The encoded protein can act as either a homodimer or heterodimer with other family members and is induced during retinoic acid-mediated differentiation. It plays a role in the development of the eyes, face, body wall, limbs, and neural tube.

Goat Anti-AP-2 gamma Antibody - References

AP-2gamma promotes proliferation in breast tumour cells by direct repression of the CDKN1A gene. Williams CM, et al. EMBO J, 2009 Nov 18. PMID 19798054.
Identification of target genes of transcription factor activator protein 2 gamma in breast cancer cells. Ailan H, et al. BMC Cancer, 2009 Aug 11. PMID 19671168.
Interaction of TFAP2C with the estrogen receptor-alpha promoter is controlled by chromatin structure. Woodfield GW, et al. Clin Cancer Res, 2009 Jun 1. PMID 19458056.
Activator protein-2 impairs the invasion of a human extravillous trophoblast cell line. Kotani T, et al. Endocrinology, 2009 Sep. PMID 19443578.

Fragile histidine triad protein, WW domain-containing oxidoreductase protein Wwox, and activator protein 2gamma expression levels correlate with basal phenotype in breast cancer. Guler G, et al. Cancer, 2009 Feb 15. PMID 19130459.