

AP-2 $\gamma$  Polyclonal Antibody

<b>Catalog No :</b>	YT0254
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	AP-2 $\gamma$
<b>Gene Name :</b>	TFAP2C
<b>Protein Name :</b>	Transcription factor AP-2 gamma
<b>Human Gene Id :</b>	7022
<b>Human Swiss Prot No :</b>	Q92754
<b>Mouse Gene Id :</b>	21420
<b>Mouse Swiss Prot No :</b>	Q61312
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human AP2C. AA range:401-450
<b>Specificity :</b>	AP-2 $\gamma$ Polyclonal Antibody detects endogenous levels of AP-2 $\gamma$ protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 45kD

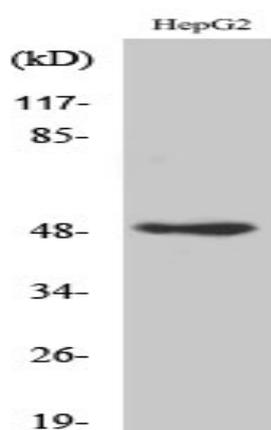
**Background :** transcription factor AP-2 gamma(TFAP2C) Homo sapiens The protein encoded by this gene is a sequence-specific DNA-binding transcription factor involved in the activation of several developmental genes. The encoded protein can act as either a homodimer or heterodimer with other family 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. [provided by RefSeq, Jul 2008],

**Function :** domain:The WW-binding motif mediates interaction with WWOX.,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.,induction:During retinoic acid-mediated differentiation.,online information:Activatin protein 2 entry,PTM:Sumoylated on Lys-10; which inhibits transcriptional activity.,similarity:Belongs to the AP-2 family.,subunit:Binds DNA as a dimer. Can form homodimers or heterodimers with other AP-2 family members (By similarity). Interacts with WWOX. Interacts with CITED4. Interacts with UBE2I

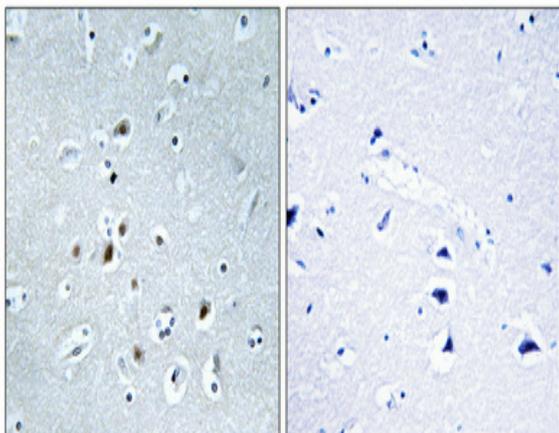
**Subcellular Location :** Nucleus .

**Expression :** Liver,Mammary tumor,Ovary,Skin,

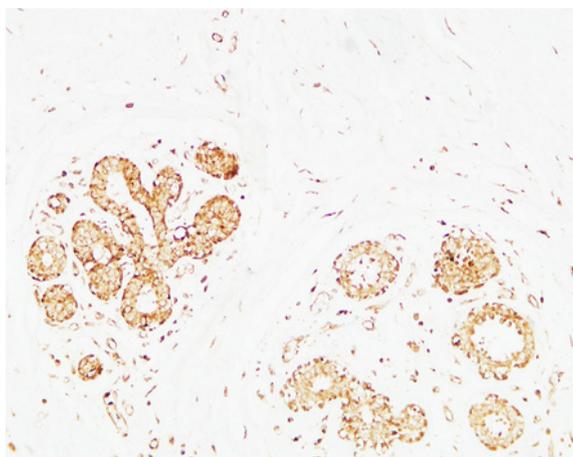
## Products Images



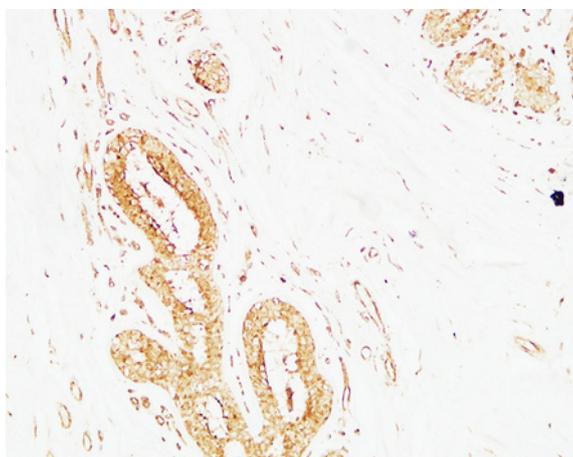
Western Blot analysis of various cells using AP-2 $\gamma$  Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



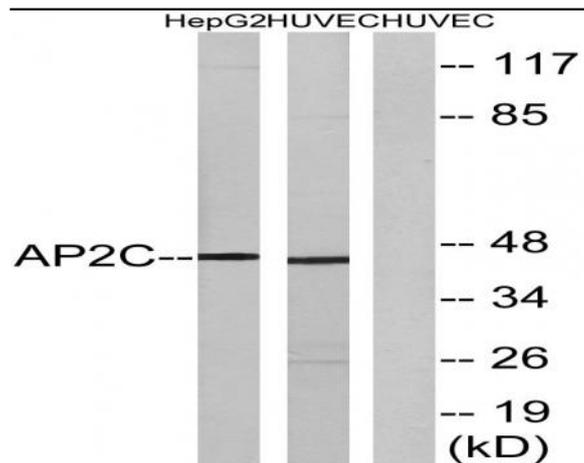
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



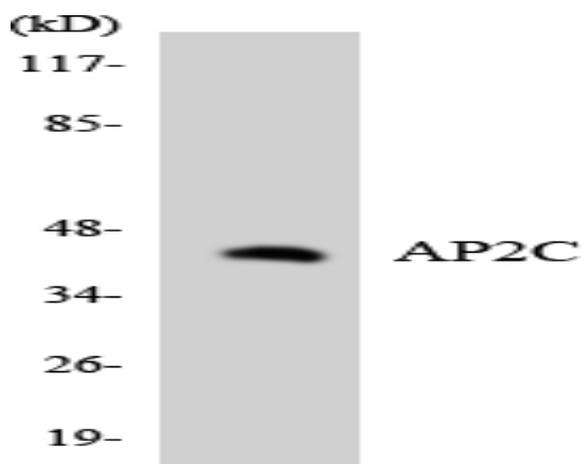
Immunohistochemical analysis of paraffin-embedded Human breast. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Human breast. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Western blot analysis of lysates from HepG2 and HUVEC cells, using AP2C Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using AP2C antibody.