

## MELK Polyclonal Antibody

<b>Catalog No :</b>	YT2730
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	MELK
<b>Gene Name :</b>	MELK
<b>Protein Name :</b>	Maternal embryonic leucine zipper kinase
<b>Human Gene Id :</b>	9833
<b>Human Swiss Prot No :</b>	Q14680
<b>Mouse Swiss Prot No :</b>	Q61846
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human MELK. AA range:431-480
<b>Specificity :</b>	MELK Polyclonal Antibody detects endogenous levels of MELK 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. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
<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)
<b>Observed Band :</b>	75kD

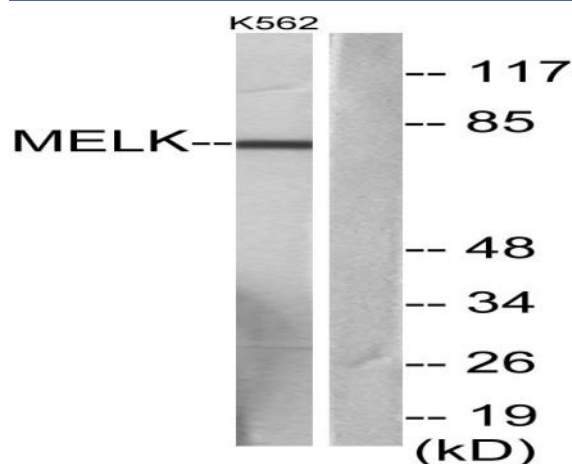
**Background :** catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Phosphorylates ZNF622 and may contribute to its redirection to the nucleus. May be involved in the inhibition of spliceosome assembly during mitosis.,PTM:Autophosphorylated. Thr-478 phosphorylation during mitosis promotes interaction with PPP1R8.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. SNF1 subfamily.,similarity:Contains 1 KA1 (kinase-associated) domain.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with ZNF622 and PPP1R8.,tissue specificity:Expressed in placenta, kidney, thymus, testis, ovary and intestine.,

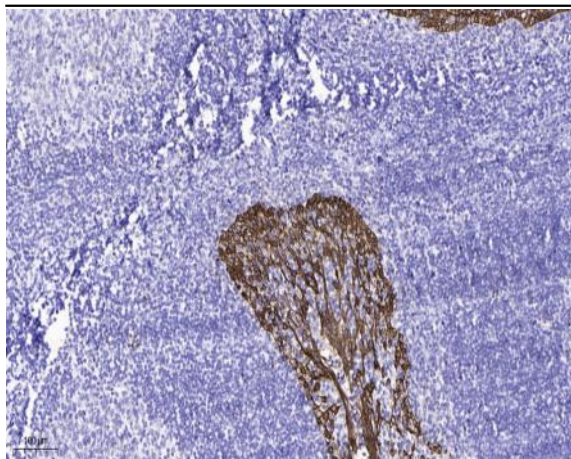
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**Subcellular Location :** Cell membrane ; Peripheral membrane protein .

**Expression :** Expressed in placenta, kidney, thymus, testis, ovary and intestine.

## Products Images





Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).