

Anti-p73 Antibody (20496)

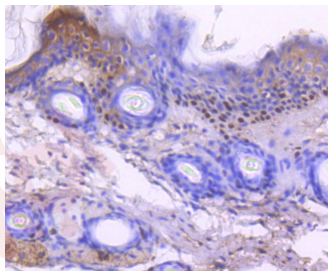
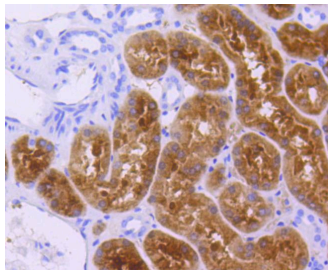
Product Details

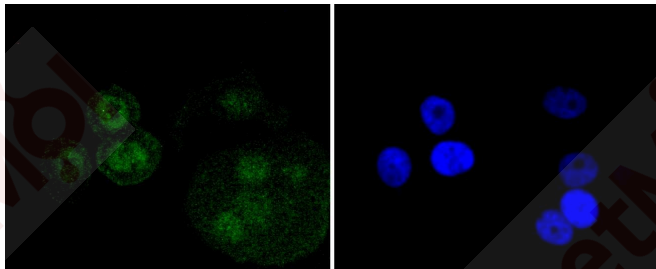
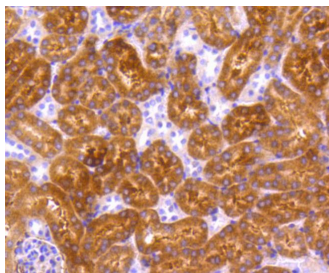
Ig Type:	IgG
Reactivity:	Human, Mouse, Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 70/60(12 isoforms) kDa.
Clone:	20496
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of p73 on Hela cell lysates using anti-p73 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-p73 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse skin tissue using anti-p73 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-p73 antibody. Counter stained with hematoxylin.
5. ICC staining p73 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC/IF,IHC,WB

Recommended WB: 1:1000; IHC: 1:50-200; ICC/IF: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: O15350

Synonyms: p53-related protein;p53-like transcription factor;P73_HUMAN;p53 like transcription factor;p53 related protein;p 73;Tumor protein p73;TP73

Research Background

The p53 gene is a widely studied oncogene, or tumor suppressor gene. The p53 gene product can act as a negative regulator of cell growth in response to DNA damage. Mutations and allelic loss of the p53 gene have been associated with malignant transformation in a wide variety of human tumors. p53 shares considerable sequence similarity with p73, a gene that maps to a region in chromosome 1 that is frequently deleted in neuroblastomas. However, p73 does not appear to be activated by DNA damaging agents. The p73 isoform p73 α ; inhibits drug-induced apoptosis in small cell lung carcinoma cells, while the p73 isoform p73 β ; promotes it. p73 α ; also prevents Bax activation, mitochondrial dysfunction, caspase activation and is able to reduce apoptosis induced by the BH3-only protein PUMA (p53 upregulated modulator of apoptosis). There is an equilibrium between p73 α ; and p73 β ;, demonstrated by the fact that p73 α ; inhibits the pro-apoptotic effect of p73 β ;

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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