



NFAT5 Mouse mAb(1D6)

Catalog No	YP-Ab-04788
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	IHC;WB
Gene Name	NFAT5 KIAA0827 TONEBP
Protein Name	NFAT5
Immunogen	Synthesized peptide derived from human NFAT5
Specificity	This antibody detects endogenous levels of NFAT5 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.26% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p1:50-200 ,WB 1:1000-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Nuclear factor of activated T-cells 5 (NF-AT5) (T-cell transcription factor NFAT5) (Tonicity-responsive enhancer-binding protein) (TonE-binding protein) (TonEBP)
Observed Band	200kD
Cell Pathway	Nucleus . Cytoplasm . Nuclear distribution increases under hypertonic conditions.
Tissue Specificity	Widely expressed, with highest levels in skeletal muscle, brain, heart and peripheral blood leukocytes.
Function	alternative products:Experimental confirmation may be lacking for some isoforms.function:Plays a role in the inducible expression of genes. Regulates hypertonicity-induced cellular accumulation of osmolytes.,similarity:Contains 1 RHD (Rel-like) domain.,subunit:Does not bind with Fos and Jun transcription factors. But might be capable of forming stable dimers with DNA elements.,tissue specificity:Highest levels in skeletal muscle, brain, heart and peripheral blood leukocytes. Also expressed in placenta, lung, liver, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine and colon.,
Background	The product of this gene is a member of the nuclear factors of activated T cells family of transcription factors. Proteins belonging to this family play a central role in inducible gene transcription during the immune response. This protein regulates gene expression induced by osmotic stress in mammalian cells. Unlike monomeric members of this protein family, this protein exists as a homodimer and forms stable dimers with DNA elements. Multiple transcript variants encoding



different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

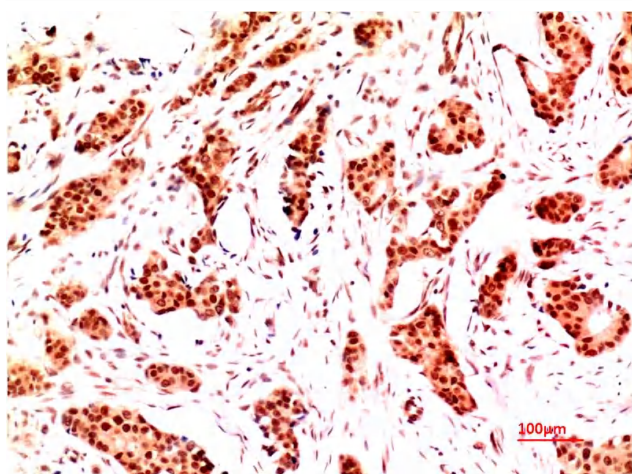
matters needing attention

Avoid repeated freezing and thawing!

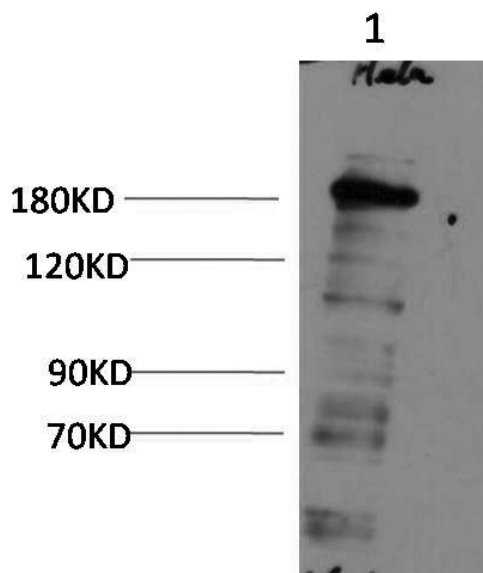
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using NFAT5 Mouse Monoclonal antibody diluted at 1:500.



Western blot analysis of 1)Hela Cell, 2) Mouse Brain, 3) Rat Brain Tissue Lysate using NFAT5 Mouse Monoclonal mAb diluted at 1:2,000.