Best Tools for immunology Research

NFAT5 Polyclonal Antibody

Catalog No :	YT5853
Reactivity :	Human;Rat;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	NFAT5
Gene Name :	NFAT5 KIAA0827 TONEBP
Protein Name :	NFAT5
Human Gene Id :	10725
Human Swiss Prot No :	O94916
Mouse Swiss Prot No :	Q9WV30
Immunogen :	Synthetic peptide from human protein at AA range: 212-284
Specificity :	The antibody detects endogenous NFAT5
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000,IHC 1:500-200, ELISA 1:10000-20000. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	166kD

Cell Pathway : WNT;WNT-T CELLAxon guidance;VEGF;Natural killer cell mediated cytotoxicity;T_Cell_Receptor;B_Cell_Antigen;

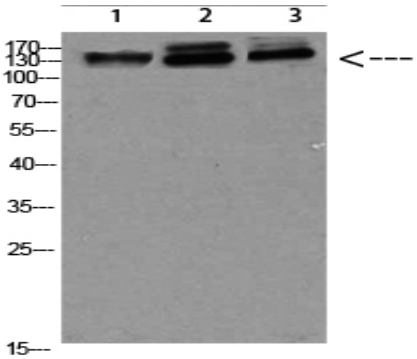
Background : The product of this gene is a member of the nuclear factors of activated T cells family of transcription factors. Proteins belonging to this family play a central role in inducible gene transcription during the immune response. This protein regulates gene expression induced by osmotic stress 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],

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.,

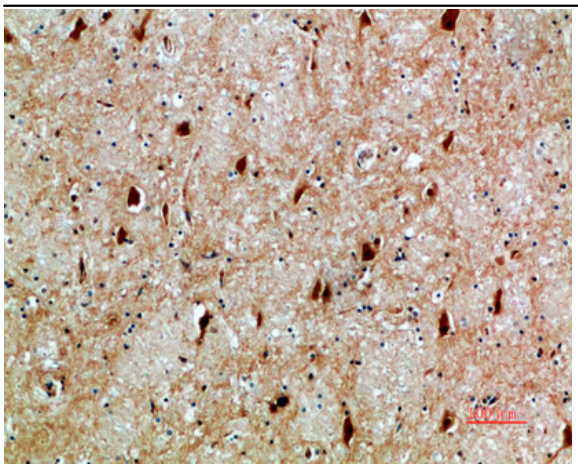
Subcellular Location : Nucleus . Cytoplasm . Nuclear distribution increases under hypertonic conditions. .

Expression : Widely expressed, with highest levels in skeletal muscle, brain, heart and peripheral blood leukocytes.

Products Images



Western blot analysis of 823 293T-UV HELA Cell Lysate, antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:200