Best Tools for immunology Research

NFAT5 (phospho Ser155) Polyclonal Antibody

Catalog No :	YP0474
Reactivity :	Human;Mouse
Applications :	WB;IHC
Target :	NFAT5
Gene Name :	NFAT5
Protein Name :	Nuclear factor of activated T-cells 5
Human Gene Id :	10725
Human Swiss Prot No :	O94916
Mouse Swiss Prot No :	Q9WV30
Immunogen :	The antiserum was produced against synthesized peptide derived from human NFAT5/TonEBP around the phosphorylation site of Ser155. AA range:121-170
Specificity :	Phospho-NFAT5 (S155) Polyclonal Antibody detects endogenous levels of NFAT5 protein only when phosphorylated at S155.
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 1:50-300
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)
Observed Band :	200kD

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

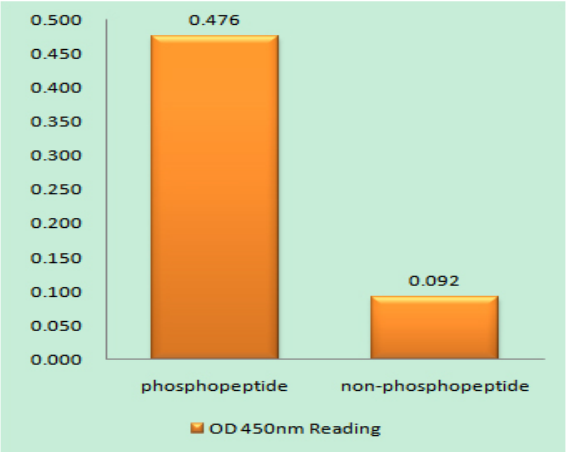
Background : The product of this gene is a member of the nuclear factors of activated T cells family of transcription factors. Proteins belonging to this family play a central role in inducible gene transcription during the immune response. This protein regulates gene expression induced by osmotic stress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

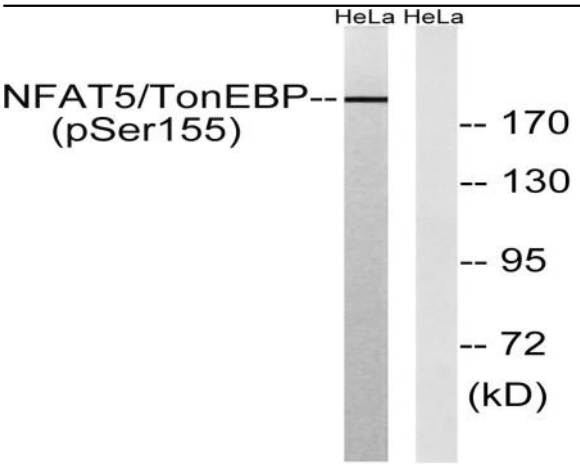
Subcellular Location : Nucleus . Cytoplasm . Nuclear distribution increases under hypertonic conditions. .

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

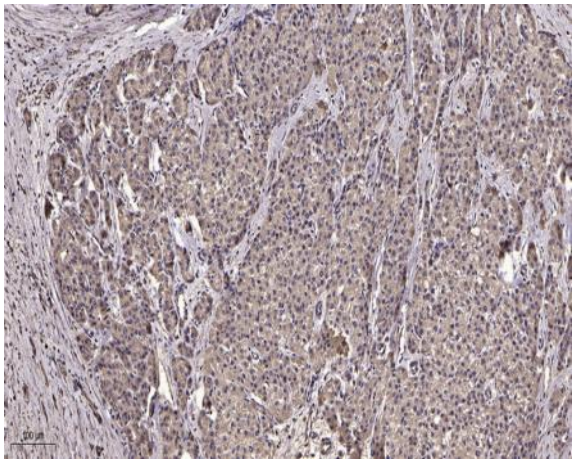
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using NFAT5/TonEBP (Phospho-Ser155) Antibody



Western blot analysis of lysates from HeLa cells treated with forskolin 40nM 30', using NFAT5/TonEBP (Phospho-Ser155) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 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).