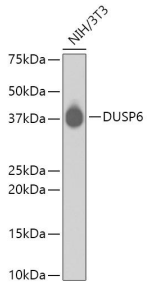
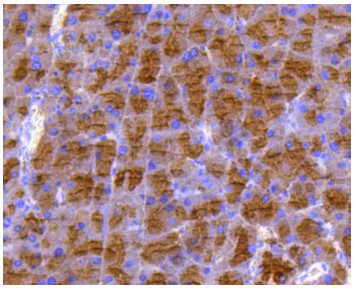
Product Data Sheet: DUSP6

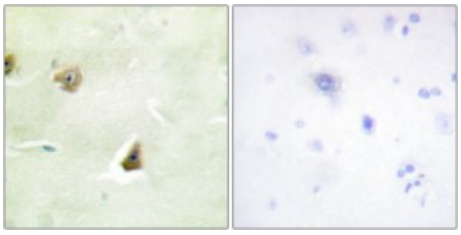
Cat. No:	MAB-94561
Size:	100 ug
Clone:	DS6
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Synthesized peptide derived from human DUSP6.
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500 – 1:2000 Immunohistochemistry: 1:100 – 1:300 Immunofluorescence: 1:200 – 1:1000
Molecular Weight:	42kDa
Purification:	Aff. Pur.
Synonyms:	HH19;MKP3;PYST1
Background:	The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK2, is expressed in a variety of tissues with the highest levels in heart and pancreas, and unlike most other members of this family, is localized in the cytoplasm. Mutations in this gene have been associated with congenital hypogonadotropic hypogonadism. Alternatively spliced transcript variants have been found for this gene.
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage:	Store at -20℃. Avoid freeze / thaw cycles



Western blot analysis of extracts of NIH/3T3, using DUSP6 antibody. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.



Immunohistochemistry of paraffin embedded mouse pancreas using DUSP6 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry analysis of paraffin-embedded human brain tissue. The picture on the right is blocked with the synthesized peptide.
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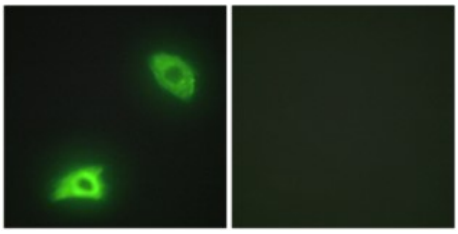
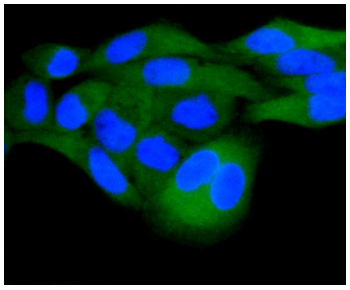
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of HeLa cells. The picture on the right is blocked with the synthesized peptide



Immunofluorescence analysis of HeLa cells using DUSP6 antibody.