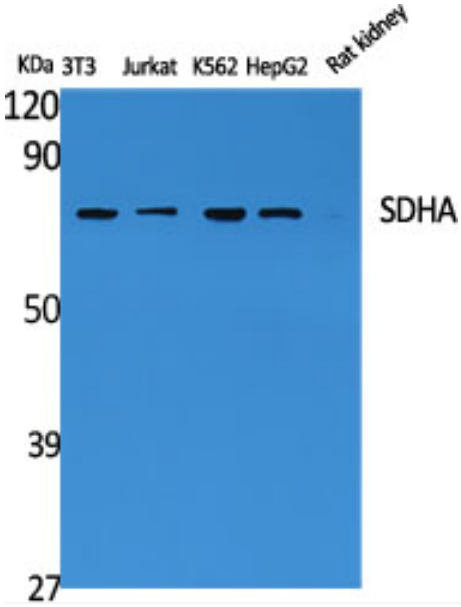
SDHA Polyclonal Antibody

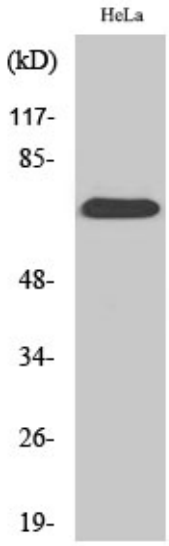
Catalog No	BYab-04189
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC
Gene Name	SDHA
Protein Name	Succinate dehydrogenase [ubiquinone] flavoprotein subunit mitochondrial
Immunogen	The antiserum was produced against synthesized peptide derived from human SDHA. AA range:551-600
Specificity	SDHA Polyclonal Antibody detects endogenous levels of SDHA protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SDHA; SDH2; SDHF; Succinate dehydrogenase [ubiquinone] flavoprotein subunit; mitochondrial; Flavoprotein subunit of complex II; Fp
Observed Band	70kD
Cell Pathway	Mitochondrion inner membrane ; Peripheral membrane protein ; Matrix side .
Tissue Specificity	Adipocyte,Brain,Colon,Heart,Liver,Placenta,
Function	catalytic activity:Succinate + ubiquinone = fumarate + ubiquinol.,cofactor:FAD.,disease:Defects in SDHA are a cause of complex II mitochondrial respiratory chain deficiency [MIM:252011]; also known as succinate CoQ reductase deficiency. Defects of oxidative phosphorylation give rise to heterogeneous clinical symptoms ranging from isolated organ dysfunction to multisystem disorder. A deficiency of complex II represents a rare cause of mitochondrial encephalomyopathy, leukodystrophy, late-onset optic atrophy and ataxia, myopathy with exercise intolerance, and isolated cardiomyopathy.,disease:Defects in SDHA are a cause of Leigh syndrome (LS) [MIM:256000]. LS is a severe disorder characterized by bilaterally symmetrical

	necrotic lesions in subcortical brain regions.,function:Flavoprotein (FP) subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electr
Background	This gene encodes a major catalytic subunit of succinate-ubiquinone oxidoreductase, a complex of the mitochondrial respiratory chain. The complex is composed of four nuclear-encoded subunits and is localized in the mitochondrial inner membrane. Mutations in this gene have been associated with a form of mitochondrial respiratory chain deficiency known as Leigh Syndrome. A pseudogene has been identified on chromosome 3q29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2014],
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.

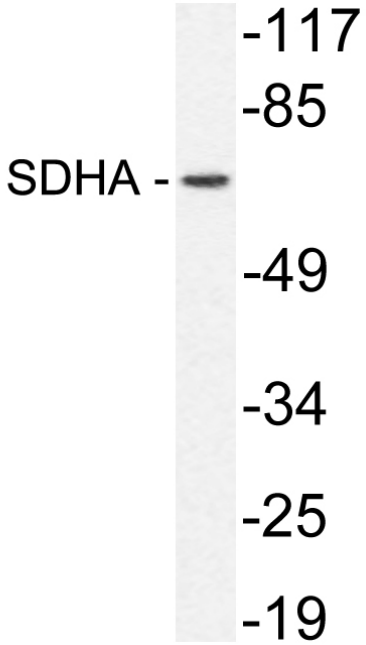
Products Images



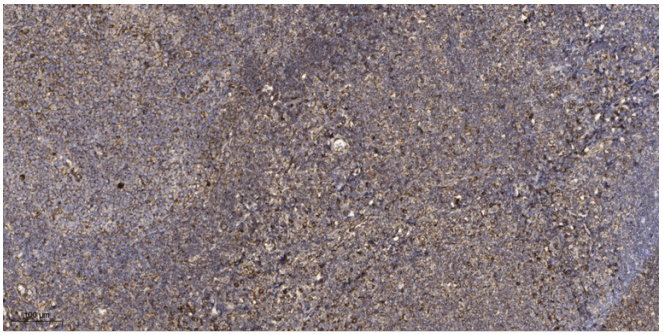
Western Blot analysis of various cells using SDHA Polyclonal Antibody diluted at 1:2000



Western Blot analysis of HepG2 cells using SDHA Polyclonal Antibody diluted at 1:2000



Western blot analysis of lysate from HeLa cells, using SDHA antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 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).