

ADX rabbit pAb

Catalog No :	YT8131
Reactivity :	Human;Mouse;Rat
Applications :	IHC;WB
Target :	FDX1
Gene Name :	FDX1 ADX
Protein Name :	Adrenodoxin, mitochondrial (Adrenal ferredoxin) (Ferredoxin-1) (Hepatoredoxin)
Human Gene Id :	2230
Human Swiss Prot No :	P10109
Mouse Gene Id :	14148
Mouse Swiss Prot No :	P46656
Rat Gene Id :	29189
Rat Swiss Prot No :	P24483
Immunogen :	Synthesized peptide derived from human N-terminal ADX
Specificity :	This antibody detects endogenous levels of ADX at Human, Mouse,Rat
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 IHC 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 :** 20kD**Function :** Essential for the synthesis of various steroid hormones . Participates in the reduction of mitochondrial cytochrome P450 for steroidogenesis . Transfers electrons from adrenodoxin reductase to CYP11A1 , a cytochrome P450 that catalyzes cholesterol side-chain cleavage . Does not form a ternary complex with adrenodoxin reductase and CYP11A1 but shuttles between the two enzymes to transfer electrons (By similarity).**Subcellular Location :** Mitochondrion matrix .**Expression :** Highest levels in the adrenal gland (at protein level). Also detected in kidney and testis (at protein level).

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