

Catalase-Specific antibody

Product Information

Catalog No.:	FNab01302
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

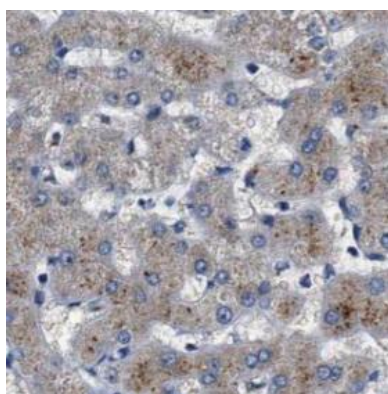
CAT(Catalase) belongs to the catalase family. It is involved in catabolic pathway of activated oxygen species and free radical detoxification and the catalase overexpression has a protective role against UVB irradiation by preventing DNA damage mediated by the late ROS increase. Mammalian catalase of approximately 240 kD occurs as a complex of 4 identical subunits, each of which contains 526 amino acid residues(PMID:19122680). Defects in CAT are the cause of acatalasemia(ACATLAS). This antibody is specific to CAT.

Immunogen information

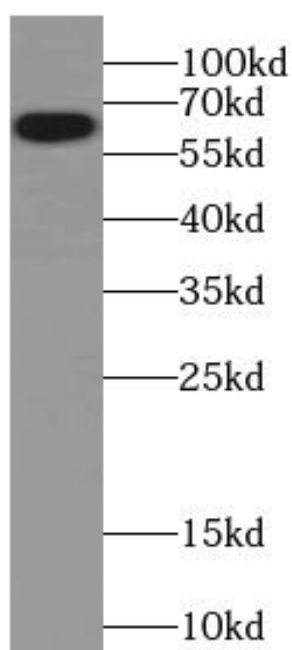
Immunogen:	catalase
Synonyms:	Catalase CAT
Observed MW:	60 kDa
Uniprot ID :	P04040

Application

Reactivity:	Human
Tested Application:	ELISA, WB, IF, IHC
Recommended dilution:	WB: 1:1000-1:4000; IHC: 1:20-1:200; IF: 1:10-1:100
Image:	



Immunohistochemistry of paraffin-embedded human hepatocirrhosis using FNab01302(CAT-Specific antibody) at dilution of 1:100



HT-1080 cells were subjected to SDS PAGE followed by western blot with FNab01302(CAT-Specific antibody) at dilution of 1:1000