

Anti-XDH Antibody (5P342)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5P342
Purification:	Affinity-chromatography

Applications

Verified Activity:	1. Western Blot -Positive WB detected in: Hela whole cell lysate -All lanes: Xanthine Oxidase antibody at 1:1000 -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 147 kDa -Observed band size: 147 kDa
	2. IHC image of TMAH-01254 diluted at 1:100 and staining in paraffin-embedded human liver tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.
Application:	ELISA, WB, IHC
Recommended	WB:1:500-1:5000; IHC:1:50-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human Xanthine Oxidase
Antigen Species:	Human
Gene ID:	7498
Uniprot ID:	P47989
Synonyms:	EC 1.17.1.4;XOR;Xanthine oxidoreductase;Xanthine dehydrogenase;XD;Xanthine oxidase;EC 1.17.3.2;Xanthine dehydrogenase/oxidase;XDHA;XO
Biology Area:	Cancer, Metabolism, Signal transduction

Research Background

Key enzyme in purine degradation. Catalyzes the oxidation of hypoxanthine to xanthine. Catalyzes the oxidation of xanthine to uric acid. Contributes to the generation of reactive oxygen species. Has also low oxidase activity towards aldehydes (in vitro).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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