

Anti-Histone H2B type 1-K Antibody (6I202)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6I202
Purification:	Affinity-chromatography

Applications

Verified Activity:	1. Western Blot -Positive WB detected in: Mouse brain tissue, Rat liver tissue, Rat lung tissue -All lanes: Histone H2B type 1-K antibody at 0.16µg/ml -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 14 KDa -Observed band size: 14 KDa
	2. IHC image of TMAH-00552 diluted at 1:100 and staining in paraffin-embedded human testis 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 biotinylated secondary antibody and visualized using an HRP conjugated SP system.
Application:	ELISA,IHC,WB
Recommended	WB:1:5000-1:10000; IHC:1:50-1:500.

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
Antigen Species:	Human
Gene ID:	85236
Uniprot ID:	O60814
Biology Area:	Epigenetics and Nuclear Signaling

Research Background

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Has broad antibacterial activity. May contribute to the formation of the functional antimicrobial barrier of the colonic

epithelium, and to the bactericidal activity of amniotic fluid.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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