Data Sheet (Cat.No.TMAB-07068)

Anti-Histone H2A.Z Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Chicken,Dog,Cow,Rabbit)
Molecular Weight:	Theoretical: 13 kDa. Actual: 15 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: Lane 1: Human HeLa cell lysates Lane 2: Human MCF-7 cell lysates Lane 3: Human U251 cell lysates Primary: Anti-Histone H2A.Z (TMAB-07068) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 13 kDa Observed band size: 15 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Histone H2A.Z
Antigen Species:	Human
Gene ID:	3015
Uniprot ID:	P0C0S5

Research Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene encodes a replication-independent member of the histone H2A family that is distinct from other members of the family. Studies in mice have shown that this particular histone is required for embryonic development and indicate that lack of functional histone H2A leads to embryonic lethality. [provided by RefSeq, Jul 2008].

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