Product datasheet for AP20402PU-N

KAT7 Rabbit Polyclonal Antibody

Product data:

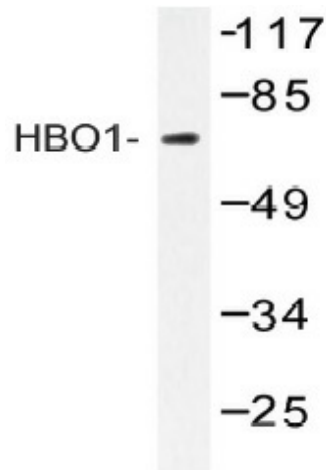|	
Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	**Western blot:** 1/500-1/1000. **Immunofluorescence**: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of HBO1 protein. (region surrounding Ser167)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction > 95% (by SDS-PAGE) Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 75 kDa
Gene Name:	lysine acetyltransferase 7
Database Link:	Entrez Gene 217127 MouseEntrez Gene 303470 RatEntrez Gene 11143 Human O95251

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Background:	KAT7 / Hbo1 is a member of the MYST histone acetyltransferae family which acetylates both histone H3 and H4 and is involved in the regulation of replication. The initiation of DNA replication is tightly regulated in eukaryotic cells to ensure that the genome is precisely duplicated once per cell cycle. This is accomplished by controlling the pre-replicative complex. KAT7 acts as a positive regulatory factor for pre-RC assembly and thus controls DNA replication.
Synonyms:	MOZ, YBF2/SAS3, SAS2, TIP60 protein 2, HBO1, HBOa
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Product images:

Western blot (WB) analysis of HBO1 antibody (Cat.-No.: AP20402PU-N) in extracts from Jurkat cells.