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POGZ antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10448

Product Information

Application	WB
Primary Accession	Q7Z3K3
Other Accession	NM_145796, NP_665739
Reactivity	Human, Mouse, Rat, Pig, Dog, Bovine
Predicted	Human, Mouse, Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	155344

Additional Information

Gene ID	23126
Alias Symbol	KIAA0461, MGC71543, SUHW5, ZNF280E, ZNF635, ZNF635m
Other Names	Pogo transposable element with ZNF domain, Suppressor of hairy wing homolog 5, Zinc finger protein 280E, Zinc finger protein 635, POGZ, KIAA0461, SUHW5, ZNF280E, ZNF635
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-POGZ antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	POGZ antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

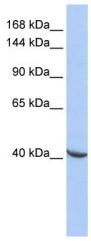
Name	POGZ
Synonyms	KIAA0461, SUHW5, ZNF280E, ZNF635
Function	Plays a role in mitotic cell cycle progression and is involved in kinetochore assembly and mitotic sister chromatid cohesion. Probably through its association with CBX5 plays a role in mitotic chromosome segregation by regulating aurora kinase B/AURKB activation and AURKB and CBX5 dissociation from chromosome arms (PubMed:20562864). Promotes the repair of DNA double-strand breaks through the homologous recombination pathway (PubMed:26721387).

Cellular Location	Nucleus. Chromosome. Cytoplasm. Note=According to some authors, it is not localized to mitotic chromatin (PubMed:19244240). Recruited to trimethylated 'Lys-9' of histone H3 (H3K9me3)

References

Olsen,J.V., (2006) Cell 127 (3), 635-648 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-POGZ Antibody Titration: .2-1 ug/ml
ELISA Titer: 1:625
Positive Control: HepG2 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.