Anti-Drosha Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015668

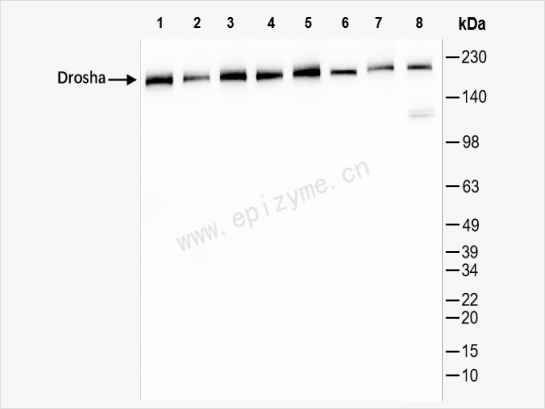
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	67N57M57
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Drosha
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Drosha Rabbit mAb [67N57M57] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	DROSHA; Drosha double stranded RNA specific endoribonuclease; Drosha ribonuclease type III; Etohi2; HSA242976; Nuclear RNase III Drosha; p241; Protein Drosha; Putative protein p241 which interacts with transcription factor Sp1; Putative ribonuclease III; RANSE3L; Ribonuclease 3; Ribonuclease III; Ribonuclease III nuclear; Ribonuclease type III nuclear; RibonucleaseIII; RN 3; RN3; RNase 3; RNase III; RNase3; RNASE3L; RNaseIII; RNASEN; RNC_HUMAN.
Calculated MW	Calculated MW: 159 kDa; Observed MW: 159 kDa
Uniprot ID	Q9NRR4
Gene ID	29102
Background	This gene encodes a ribonuclease (RNase) III double-stranded RNA-specific ribonuclease and subunit of the microprocessor protein complex, which catalyzes the initial processing step of microRNA (miRNA) synthesis. The encoded protein cleaves the stem loop structure from the primary microRNA (pri-miRNA) in the nucleus, yielding the precursor miRNA (pre-miRNA), which is then exported to the cytoplasm for further processing. In a human cell line lacking a functional copy of this gene, canonical miRNA synthesis is reduced. Somatic mutations in this gene have been observed in human patients with kidney cancer. [provided by RefSeq, Sep 2016]
Cellular Location	Nucleus. Nucleus > nucleolus. A fraction is translocated to the nucleolus during the S phase of the cell cycle. Localized in GW bodies (GWBs), also known as P-bodies.
Tissue Location	Ubiquitous.

Validation Images



Western Blot - Anti-Drosha Rabbit mAb [67N57M57]
All lanes: R015668 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: 293T (Human embryonic kidney cell) whole cell lysates
Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
Lane 7: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 8: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 159 kDa
Observed band size: 159 kDa
Developed using the ECL technique (Cat. No. SQ201).