

---

## Product Information

<b>Product SKU:</b>	CAB19598	<b>Gene ID:</b>	29102	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	ARC0077	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human

---

## Additional Information

<b>Observed MW:</b>	159kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	159kDa	<b>Isotype:</b>	IgG

---

## Immunogen Information

**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.

**Recommended Dilution:** WB, 1:500 - 1:1000 IF/ICC, 1:50 - 1:200

**Synonyms:** RN3; ETOH12; RNASEN; RANSE3L; RNASE3L; HSA242976; DROSHA

**Purification Method:** Affinity purification

**Immunogen:** A synthetic peptide corresponding to a sequence within amino acids 1-100 of human DROSHA (Q9NRR4).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.