

## CABP1358

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### Product Information

<b>Product SKU:</b>	CABP1358	<b>Gene ID:</b>	545	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	ARC55118	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human

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### Additional Information

<b>Observed MW:</b>	300kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	301kDa	<b>Isotype:</b>	IgG

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### Immunogen Information

**Background:** The protein encoded by this gene is a serine/threonine kinase and DNA damage sensor, activating cell cycle checkpoint signaling upon DNA stress. The encoded protein can phosphorylate and activate several proteins involved in the inhibition of DNA replication and mitosis, and can promote DNA repair, recombination, and apoptosis. This protein is also important for fragile site stability and centrosome duplication. Defects in this gene are a cause of Seckel syndrome 1.

**Recommended Dilution:** WB, 1:1000 - 1:5000

**Synonyms:** FRP1; MEC1; SCKL; FCTCS; SCKL1; Phospho-ATR-S428

**Purification Method:** Affinity purification

**Immunogen:** A synthetic phosphorylated peptide around S428 of human ATR (NP\_001175.2).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH 7.3.