bs-23805R **[Primary Antibody]**

ATR Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 545 **SWISS:** Q13535

Target: ATR

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Ataxia Telangiectasia Mutated (ATM) and Rad 3-related protein (ATR) is a phosphatidylinositol kinase (PK)-related kinase which functions in response to DNA damage and repair as well as at DNA replication checkpoints during the cell cycle. ATR is a member of the DNA-PK kinases closely related to ATM and DNA-PK for which DNA stimulates the observed kinase activity. Chromosomal remodeling proteins have also been reported to associate with ATR complexes. Several known components of the NuRD complex including histone deacetylase 1 (HDAC1), HDAC2, and CHD4

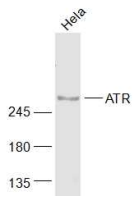
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow, Zebrafish, Dog, Horse)

Predicted MW.: 301 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Hela(Human) Cell Lysate at 30 ug
Primary: Anti-ATR (bs-23805R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 301 kD
Observed band size: 301 kD

SELECTED CITATIONS

- **[IF=4.2]** Xinying Yang. et al. WFDC3 sensitizes colorectal cancer to chemotherapy by regulating ATM/ATR kinase signaling pathway. FASEB J. 2025 Jan;39(2):e70329 WB ;Human. 39853769
- **[IF=3.4]** Chunlin Yin. et al. MiR-424-5p suppresses tumor growth and progression by directly targeting CHEK1 and activating cell cycle pathway in Hepatocellular Carcinoma. HELIYON. 2024 Sep;10: WB ;Human. 39309825