bs-3239R **[Primary Antibody]**

phospho-Cytokeratin 17(Ser44) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3872 **SWISS:** Q04695

Target: Cytokeratin 17(Ser44)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human CK 17 around the phosphorylation site of Ser44: LG(P-S)A.

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: The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. This gene encodes the type I intermediate filament chain keratin 17, expressed in nail bed, hair follicle, sebaceous glands, and other epidermal appendages. Mutations in this gene lead to Jackson-Lawler type pachyonychia congenita and steatocystoma multiplex. [provided by RefSeq, Aug 2008].

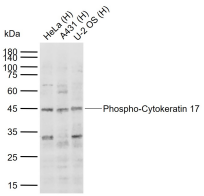
Applications: **WB** (1:500-2000)
ICC/IF (1:100)

Reactivity: Human (predicted: Mouse, Rat)

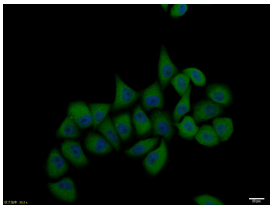
Predicted MW.: 47 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: Human HeLa cell lysates Lane 2: Human A431 cell lysates Lane 3: Human U-2 OS cell lysates Primary: Anti- Phospho-Cytokeratin 17(Ser44) (bs-3239R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 47 kDa Observed band size: 45 kDa



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-Cytokeratin 17(Ser44)) polyclonal Antibody, Unconjugated (bs-3239R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.