bs-3646R **[Primary Antibody]**

CK3 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3850 **SWISS:** P12035

Target: CK3

Immunogen: KLH conjugated synthetic peptide derived from human CK3: 221-320/628.

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 gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the corneal epithelium with family member KRT12 and mutations in these genes have been associated with Meesmann's Corneal Dystrophy. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq, Jul 2008]

Applications: **WB** (1:500-2000)
ELISA (1:5000-10000)

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

Predicted MW.: 65 kDa

Subcellular Location: Extracellular matrix ,Cytoplasm

SELECTED CITATIONS

- **[IF=14.593]** Binbin He. et al. 3D printed biomimetic epithelium/stroma bilayer hydrogel implant for corneal regeneration. Bioact Mater. 2022 Jan;: IF ;Rabbit. 10.1016/j.bioactmat.2022.01.034
- **[IF=9.6]** Leying Wang. et al. 3D Printed Biomimetic Bilayer Limbal Implants for regeneration of the Corneal Structure in Limbal Stem Cell Deficiency. ACTA BIOMATER. 2025 Jan;: IF ;Human. 39798638
- **[IF=3.457]** Wu Y et al. Tetramethylpyrazine (TMP) ameliorates corneal neovascularization via regulating cell infiltration into cornea after alkali burn. (2019)Biomedicine & Pharmacotherapy, 109, 1041–1051. IF ;Mouse. 30551354
- **[IF=3]** Ting Chen. et al. Investigation roles of Adamts1 and Adamts5 in scleral fibroblasts under hypoxia and mice with form-deprived myopia. EXP EYE RES. 2024 Oct;247:110026 IF ;Mouse. 39122105
- **[IF=1.291]** Duan CY et al. Limbal niche cells can reduce the angiogenic potential of cultivated oral mucosal epithelial cells. Cell Mol Biol Lett. 2019 Apr 4;24:3. ICC ;Rat. 30988673