### bs-17376R

## [ Primary Antibody ]

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## CBX4 Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GenelD:** 8535 **SWISS:** 000257

Target: CBX4

**Immunogen:** KLH conjugated synthetic peptide derived from human CBX4:

401-500/560.

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: Enables SUMO binding activity; SUMO ligase activity;

and enzyme binding activity. Involved in negative regulation of transcription by RNA polymerase II. Located in nuclear body. Part of PRC1 complex. Implicated in hepatocellular carcinoma. Biomarker of hepatocellular carcinoma. [provided by Alliance of

Genome Resources, Apr 2022]

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

ICC/IF (1:100-500)

Reactivity: Human, Mouse, Rat

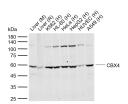
(predicted: Pig, Sheep, Dog,

Horse)

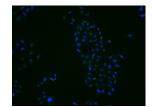
Predicted MW.: 61 kDa

Subcellular Nucleus

#### VALIDATION IMAGES



Sample: Lane 1: Mouse Liver tissue lysates Lane 2: Rat Liver tissue lysates Lane 3: Human K562 cell lysates Lane 4: Human HL-60 cell lysates Lane 5: Human HeLa cell lysates Lane 6: Human HepG2 cell lysates Lane 7: Human HUVEC cell lysates Lane 8: Human A549 cell lysates Primary: Anti-CBX4 (bs-17376R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61 kDa Observed band size: 61 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 (CBX4) polyclonal Antibody, Unconjugated (bs-17376R) 1:25, 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.

#### - SELECTED CITATIONS -

- [IF=4.658] Hu C et al. CBX4 promotes the proliferation and metastasis via regulating BMI 1 in lung cancer. J Cell Mol Med. 2019 Nov 13. WB,IHC; Human&Mouse. 31724308
- [IF=4.011] Xu J et al. Regulatory effect of two Trichinella spiralis serine protease inhibitors on the host's immune system. Sci Rep. 2019 Nov 19;9(1):17045. WB ;Mouse. 31745105
- [IF=1.91] Han, Xiao, et al. "HIF-1α SUMOylation affects the stability and transcriptional activity of HIF-1α in human lens epithelial cells." Graefe's Archive for Clinical and Experimental Ophthalmology 253.8 (2015): 1279-1290. WB; Human. 25877955