**bs-11212R** **[ Primary Antibody ]**

# KLC1 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:** 3831 **SWISS:** Q07866

**Target:** KLC1

**Immunogen:** KLH conjugated synthetic peptide derived from human KLC1: 1-100/573.

**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 kinesin family of motor proteins comprise at least two forms of conventional kinesin (kinesin-I). They are encoded by different genes and designated ubiquitous kinesin, which is expressed in all cells and tissues, and neuronal kinesin, which is expressed exclusively in neuronal cells. Conventional kinesin is a heterotetramer of two kinesin heavy chain subunits and two kinesin light chain subunits. While the kinesin heavy chain contains motor activity, evidence suggests that the kinesin light chain is involved in either modulation of kinesin heavy chain activity or in cargo binding. The motor protein kinesin is a heterotetramer composed of two heavy chains and two light chains. Kinesin motor activity is dependent on the presence of ATP and microtubules.

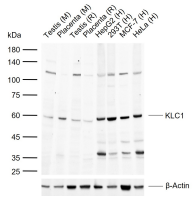
**Applications:** **WB** (1:500-2000)

**Reactivity:** Human, Mouse, Rat (predicted: Rabbit, Sheep, Cow, Chicken, Horse)

**Predicted MW.:** 65 kDa

**Subcellular Location:** Cytoplasm

## VALIDATION IMAGES




Sample: Lane 1: Mouse Testis tissue lysates Lane 2: Mouse Placenta tissue lysates Lane 3: Rat Testis tissue lysates Lane 4: Rat Placenta tissue lysates Lane 5: Human HepG2 cell lysates Lane 6: Human 293T cell lysates Lane 7: Human MCF-7 cell lysates Lane 8: Human HeLa cell lysates Primary: Anti-KLC1 (bs-11212R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 65 kDa Observed band size: 60 kDa