**bs-12866R** **[ Primary Antibody ]**

# BIG1 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:** 10565 **SWISS:** Q9Y6D6

**Target:** BIG1

**Immunogen:** KLH conjugated synthetic peptide derived from human BIG1/ARFGEF1: 1-200/1849.

**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:** Guanine nucleotide-exchange proteins (GEPs) accelerate replacement of bound GDP with GTP and thereby activate ADP-ribosylation factors (ARFs), a family of guanine nucleotide-binding proteins that play an important role in intracellular vesicular trafficking. GEPs comprise two major families, large GEPs that are inhibited by brefeldin A (BFA), a protein that effects Golgi structure and a group of smaller GEPs that are insenstive to BFA. Two genes for GEPs found on human chromosomes 8 and 20 encode BFA sensitive GEPs designated BIG1 and BIG2. Both GEPS contain a sec7 domain that is responsible for their brefeldin inhibition and also their catalytic activity. In vivo, BIG1 and BIG2 exist in macromolecular complexes that move between the Golgi membranes and cytosol. BIG2 associates with PKA regulatory subunits, implying that BIG2 may act as an A kinase-anchoring protein (AKAP) that could coordinate the cAMP and ARF regulatory pathways.

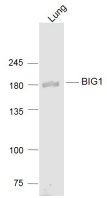
**Applications:** **WB** (1:500-2000)

**Reactivity:** Mouse (predicted: Human, Rat, Pig, Sheep, Cow, Chicken, Dog)

**Predicted MW.:** 209 kDa

**Subcellular Location:** Cell membrane ,Cytoplasm ,Nucleus

## VALIDATION IMAGES




Sample: Lung (Mouse) Lysate at 40 ug Primary: Anti- BIG1 (bs-12866R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 209 kD Observed band size: 209 kD