

bs-2962R**[Primary Antibody]****BioSS**
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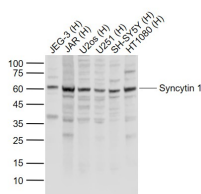
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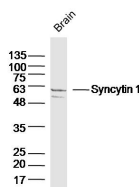
400-901-9800

Syncytin 1 Rabbit pAb**DATASHEET**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse
GeneID: 30816	SWISS: Q9UQF0	
Target: Syncytin 1		
Immunogen: KLH conjugated synthetic peptide derived from human Syncytin 1: 451-538/538. < Cytoplasmic >		Predicted MW.: 59 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane
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: Many different human endogenous retrovirus (HERV) families are expressed in normal placental tissue at high levels, suggesting that HERVs are functionally important in reproduction. This gene is part of an HERV provirus on chromosome 7 that has inactivating mutations in the gag and pol genes. This gene is the envelope glycoprotein gene which appears to have been selectively preserved. The gene's protein product is expressed in the placental syncytiotrophoblast and is involved in fusion of the cytotrophoblast cells to form the syncytial layer of the placenta. The protein has the characteristics of a typical retroviral envelope protein, including a furin cleavage site that separates the surface (SU) and transmembrane (TM) proteins which form a heterodimer. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Mar 2010]		

VALIDATION IMAGES

Sample: Lane 1: JEG-3 (Human) Cell Lysate at 30 ug
Lane 2: JAR (Human) Cell Lysate at 30 ug
Lane 3: U2os (Human) Cell Lysate at 30 ug
Lane 4: U251 (Human) Cell Lysate at 30 ug
Lane 5: SH-SY5Y (Human) Cell Lysate at 30 ug
Lane 6: HT1080 (Human) Cell Lysate at 30 ug
Primary: Anti-Syncytin 1 (bs-2962R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 58 kD
Observed band size: 60 kD



Sample: Brain (Mouse) Lysate at 40 ug
Primary: Anti-Syncytin 1 (bs-2962R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 33/58 kD
Observed band size: 58kD

SELECTED CITATIONS

- **[IF=17.694]** Whitlock, Jarred M.. et al. Cell surface-bound La protein regulates the cell fusion stage of osteoclastogenesis. NAT COMMUN. 2023 Feb;14(1):1-19 WB ;Mouse,Human. 36739273
- **[IF=12.7]** Jiao Wang. et al. Influenza A virus infection disrupts the function of syncytiotrophoblast cells and contributes to adverse pregnancy outcomes. J MED VIROL. 2024 May;96(6):e29687 WB ;Human. 38783821

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=7.3]** Yanmin Cheng. et al. Gestational exposure to micro- and nanoplastics leads to poor pregnancy outcomes by impairing placental trophoblast syncytialization. ENVIRON POLLUT. 2025 May;;126520 WB ;Mouse,Human. 40414412
- **[IF=5.168]** Díaz-Carballo et al. Cytotoxic stress induces transfer of mitochondria-associated human endogenous retroviral RNA and proteins between cancer cells. (2017) Oncotarget. 8:95945-95964 Other ;Human. 29221178
- **[IF=4.757]** Rachana Pandit. et al. Canine Coronavirus Infection Modulates the Biogenesis and Composition of Cell-Derived Extracellular Vesicles. BIOMEDICINES. 2023 Mar;11(3):976 Other ;Cat. 36979955