

bs-23115R**[Primary Antibody]****connexin 30 Rabbit pAb****Bioss**
ANTIBODIES

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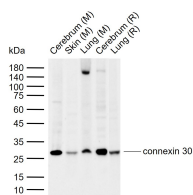
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse, Rat (predicted: Human, Rabbit, Sheep, Cow, Horse)
GeneID: 10804	SWISS: O95452	Predicted MW.: 29 kDa
Target: connexin 30		Subcellular Location: Cell membrane
Immunogen: KLH conjugated synthetic peptide derived from human connexin-30: 201-261/261. < Cytoplasmic >		
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 connexin family of proteins form hexameric complexes called connexons that facilitate movement of low molecular weight proteins between cells via gap junctions. Connexin proteins share a common topology of four transmembrane alpha-helical domains, two extracellular loops, a cytoplasmic loop and cytoplasmic N- and C-termini. Many of the key functional differences between connexins arise from specific amino-acid substitutions in the most highly conserved domains: the transmembrane and extracellular regions. Connexin 30, also known as GJB6 (Gap junction beta 6), ED2, EDH, HED or DFNA3, is a 261 amino acid multi-pass membrane protein that localizes to the cell junction and belongs to the connexin family. Functioning as a hexamer with other connexin proteins, connexin 30 facilitates the diffusion of low molecular weight materials from one cell to another. Defects in the gene encoding connexin 30 are the cause of ectodermal dysplasia type 2 (ED2) and non-syndromic sensorineural deafness autosomal dominant type 3 (DFNA3), the former of which is characterized by abnormal development of ectodermal structures (such as skin and nails).		

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Cerebrum tissue lysates
Lane 2: Mouse Skin tissue lysates Lane 3: Mouse Lung tissue lysates Lane 4: Rat Cerebrum tissue lysates Lane 5: Rat Lung tissue lysates Primary: Anti-connexin 30 (bs-23115R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 29 kDa Observed band size: 27 kDa

— SELECTED CITATIONS —

- **[IF=2.7]** Min Li. et al. Astrocytic Gap Junctions protein Cx43/Cx30 modulate EAAT1 and glutamate to mediate cerebral ischemia-reperfusion injury. BRAIN RES. 2025 Jan;1847:149306 WB,IF ;Rat. 39491663

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