

bs-4238R**[Primary Antibody]****ARNT2 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 9915	SWISS: Q9HBZ2	IHC-F (1:100-500)
Target: ARNT2		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human ARNT2: 351-450/717.		ELISA (1:5000-10000)
Purification: affinity purified by Protein A		Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse)
Concentration: 1mg/ml		Predicted MW.: 79 kDa
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.		Subcellular Location: Nucleus
Background: ARNT2 is a member of the basic-helix-loop-helix-Per-Arnt-Sim (bHLH-PAS) superfamily of transcription factors. It acts as a partner for several sensor proteins of the bHLH-PAS family, forming heterodimers with the sensor proteins that bind regulatory DNA sequences in genes responsive to developmental and environmental stimuli. Under hypoxic conditions, ARNT2 protein complexes with hypoxia-inducible factor 1alpha in the nucleus and this complex binds to hypoxia-responsive elements in enhancers and promoters of oxygen-responsive genes.		