



## **Anti- HBB (Hemoglobin subunit beta) (Hemoglobin beta chain) Polyclonal Antibody**

**Category:** Polyclonal Antibody

**Catalog #:** AB5 FOB P3

**Species Reactivity:** Human

### **Immunogen/Specificity:**

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human HBB (Hemoglobin subunit beta)(Hemoglobin beta chain)

**Description:** HBB (Hemoglobin subunit beta)(Hemoglobin beta chain) is involved in oxygen transport from the lung to the various peripheral tissues. LVV-hemorphin-7 potentiates the activity of bradykinin, causing a decrease in blood pressure. HBB is a heterotetramer of two alpha chains and two beta chains in adult hemoglobin A (HbA). The tissue specificity of HBB is red blood cells. Glucose reacts non-enzymatically with the N-terminus of the beta chain to form a stable ketoamine linkage. This takes place slowly and continuously throughout the 120-day life span of the red blood cell. The rate of glycation is increased in patients with diabetes mellitus. HBB is acetylated on Lys-60, Lys-83 and Lys-145 upon aspirin exposure. The identification of HBB acetylated on Lys-145 in the cytosolic fraction of HeLa cells. This may results from a contamination of the sample.

### **Storage Buffer:**

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

### **Preparation:**

Purified by antigen-specific affinity chromatography.

### **Applications:**

ELISA 1:2,000 to 1:5,000

Western Blotting (1µg/ml for 2 hrs)

### **Reference:**

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Lawn,R.M., et al, Cell 21 (3), 647-651 (1980)

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Suzuki,H., et al, Biochem. Mol. Biol. Int. 30 (3), 425-431 (1993)

Lang,K.M. and Spritz,R.A., Gene 33 (2), 191-196 (1985)

Arnone,A., Nature 237 (5351), 146-149 (1972)

Shamsuddin,M., et al, Proc. Natl. Acad. Sci. U.S.A. 71 (12), 4693-4697 (1974)

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