Recombinant Hemoglobin subunit alpha / HBA2 Antibody

Rabbit Monoclonal Antibody [Clone HBA/9193R]

Catalog No	Format	Size
3039-RBM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3039-RBM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3039-RBM4-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

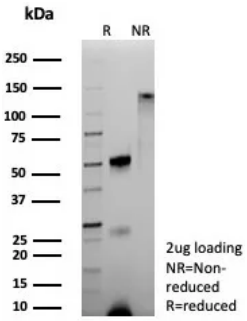
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	HBA/9193R
Immunogen	Recombinant fragment (around aa48-62) of the human Hemoglobin alpha 1 chain protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	15.26kDa
Species Reactivity	Human
Positive Control	Human spleen, stomach cancer, lung or placenta.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Hemoglobin subunit alpha / HBA2 Antibody



SDS-PAGE Analysis of Purified HBA2 Recombinant Rabbit Monoclonal Antibody (HBA/9193R). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Hemoglobin (Hgb) is coupled to four iron-binding, methene-linked tetrapyrrole rings (heme). The ? (16p13.3; 5'-Î ?-pseudoÎ ?-pseudo?2-pseudo?1-?2-?1- Î ?1-3') and ? (11p15.5) globin loci determine the basic Hgb structure. The globin portion of Hgb consists of two ? chains and two ? chains arranged in pairs forming a tetramer. Each of the four globin chains covalently associates with a heme group. The bonds between ? and ? chains are weaker than between similar globin chains, thereby forming a cleavage plane that is important for oxygen binding and release. High affinity for oxygen occurs upon relaxation of the ?1-?2 cleavage plane. When the two ?1-?2 interfaces are closely bound, Hgb has a low affinity for oxygen. Hb A, which contains two ? chains plus two ? chains, comprises 97% of total circulating hemoglobin. The remaining 3% of total circulating hemoglobin is comprised of Hb A-2, which consists of two ? chains plus two d chains, and fetal hemoglobin (Hb F), which consists of two ? chains together with two g chains.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.