ARG66554
anti-NFYB antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NFYB
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NFYB
Species	Human
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of Human NFYB.
Conjugation	Un-conjugated
Alternate Names	NF-YB; HAP3; Nuclear transcription factor Y subunit B; CBF-A; CAAT box DNA-binding protein subunit B; CBF-B; Nuclear transcription factor Y subunit beta

Application Instructions

Application table

Application	Dilution
IHC-P	1:100 - 1:200

Application Note: IHC-P: Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

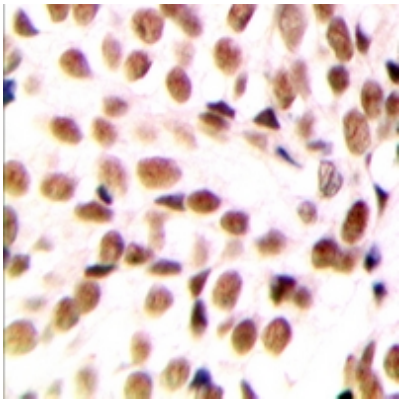
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 0.2% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.2% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NFYB
Gene Full Name	nuclear transcription factor Y, beta
Background	The protein encoded by this gene is one subunit of a trimeric complex, forming a highly conserved transcription factor that binds with high specificity to CCAAT motifs in the promoter regions in a variety of genes. This gene product, subunit B, forms a tight dimer with the C subunit, a prerequisite for subunit A association. The resulting trimer binds to DNA with high specificity and affinity. Subunits B and C each contain a histone-like motif. Observation of the histone nature of these subunits is supported by two types of evidence; protein sequence alignments and experiments with mutants. [provided by RefSeq, Jul 2008]
Function	Component of the sequence-specific heterotrimeric transcription factor (NF-Y) which specifically recognizes a 5'-CCAAT-3' box motif found in the promoters of its target genes. NF-Y can function as both an activator and a repressor, depending on its interacting cofactors. [UniProt]
Calculated Mw	23 kDa
PTM	Monoubiquitination at Lys-140 plays an important role in transcriptional activation by allowing the deposition of histone H3 methylations as well as histone H2B monoubiquitination at 'Lys-121'. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



ARG66554 anti-NFYB antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human breast cancer tissue. Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). The section was then stained with ARG66554 anti-NFYB antibody at room temperature and detected using an HRP conjugacompact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.