

Rabbit anti-Mouse, Rat CD11c/Itgax Polyclonal Antibody | anti-ITGAX antibody

Anti-CD11c/Itgax Antibody Picoband

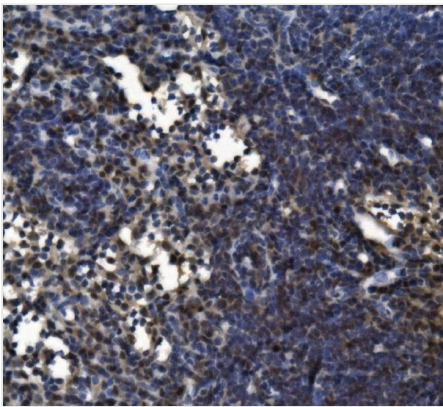
CATALOG # AAA126014	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

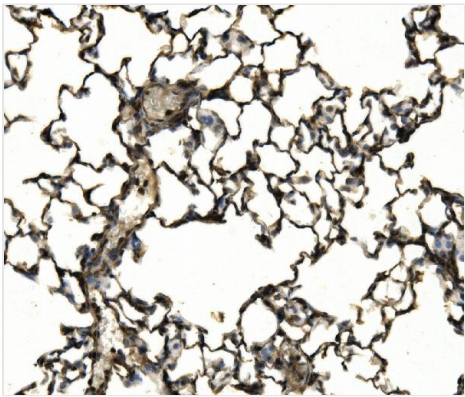
CD11c/Itgax; Polyclonal Antibody; Anti-CD11c/Itgax Antibody Picoband; anti-ITGAX antibody

PRODUCT SPECIFICATIONS

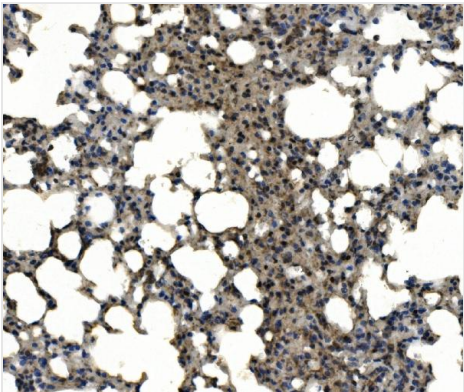
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ITGAX antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived mouse CD11c/Itgax recombinant protein (Position: P140-T342).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



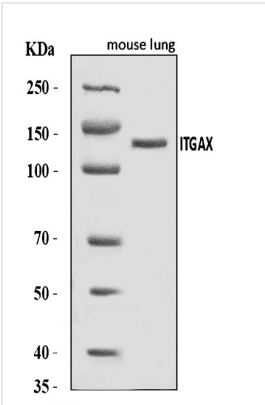
IHC (Immunohistochemistry)
Figure 4. IHC analysis of CD11c/Itgax using anti-CD11c/Itgax antibody (AAA126014).CD11c/Itgax was detected in a paraffin-embedded section of rat lymph node tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-CD11c/Itgax Antibody (AAA126014) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 3. IHC analysis of CD11c/Itgax using anti-CD11c/Itgax antibody (AAA126014).CD11c/Itgax was detected in a paraffin-embedded section of rat lung tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-CD11c/Itgax Antibody (AAA126014) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 2. IHC analysis of CD11c/Itgax using anti-CD11c/Itgax antibody (AAA126014).CD11c/Itgax was detected in a paraffin-embedded section of mouse lung tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-CD11c/Itgax Antibody (AAA126014) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)
Figure 1. Western blot analysis of CD11c/Itgax using anti-CD11c/Itgax antibody (AAA126014).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: mouse lung tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CD11c/Itgax antigen affinity purified polyclonal antibody (#AAA126014) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CD11c/Itgax at approximately 127 kDa. The expected band size for CD11c/Itgax is at 127 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ITGAX antibody	CD11c, also known as Integrin, alpha X (complement component 3 receptor 4 subunit) (ITGAX), is a gene that encodes for CD11c. This gene encodes the integrin alpha X chain protein. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as inactivated-C3b (iC3b) receptor 4 (CR4). The alpha X beta 2 complex seems to overlap the properties of the alpha M beta 2 integrin in the adherence of neutrophils and monocytes to stimulated endothelium cells, and in the phagocytosis of complement coated particles. Two transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-ITGAX antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	10946646
NCBI GeneID	16411
NCBI Accession #	NP_067309.1
NCBI GenBank Nucleotide #	NM_021334.2
UniProt Accession #	Q9QXH4
Molecular Weight	129,151 Da
NCBI Official Full Name	integrin alpha-X
NCBI Official Synonym Full Names	integrin alpha X
NCBI Official Symbol	Itgax
NCBI Official Synonym Symbols	Cr4; N418; Cd11c; AI449405
NCBI Protein Information	integrin alpha-X; CD11 antigen-like family member C; CD11C (p150) alpha polypeptide; complement receptor 4; integrin aX; leukocyte adhesion glycoprotein p150,95 alpha chain; leukocyte adhesion receptor p150,95
UniProt Protein Name	Integrin alpha-X
UniProt Gene Name	Itgax
UniProt Entry Name	ITAX_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd11c-itgax-antibody-immunohistochemistry-western-blot-elisa/126014>