Note: Centrifuge before opening to ensure complete recovery of vial contents.

| Description |  |
| :--- | :--- |
| Reactivity | Human, Mouse |
| Immunogen | Synthetic peptide of human VMA21 |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Antigen affinity purification |
| Conjugation | Unconjugated |
| Formulation | PBS with $0.05 \%$ NaN3 and 40\% Glycerol,pH7.4 |
| Applications | Recommended Dilution |
| IHC | $1: 150-1: 500$ |
| IF | $1: 50-1: 200$ |
| ELISA | $1: 5000-1: 240000$ |
| Data |  |



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using VMA21 Polyclonal Antibody at dilution of $1: 150(\times 200)$


Immunofluorescence analysIs of NCCIT cell using VMA21 Polyclonal Antibody at dilution of 1:50


The image is immunofluorescence of HepG2 cell using VMA21 Polyclonal Antibody at dilution of 1:50.

## Preparation \& Storage

Storage
Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles.

## Background

This gene encodes a chaperone for assembly of lysosomal vacuolar ATPase. Required for the assembly of the V0 complex of the vacuolar ATPase (V-ATPase) in the endoplasmic reticulum. Associates with the V0 complex of the vacuolar ATPase (V-ATPase). MEAX is a childhood-onset disease characterized by progressive vacuolation and atrophy of

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skeletal muscle. It is inherited in recessive fashion, affecting boys and sparing carrier females. Onset is in childhood, and patients exhibit weakness of the proximal muscles of the lower extremities, progressing slowly to involve other skeletal muscle groups over time.

