

## Product datasheet for **AP11343PU-N**

### **APOBEC3G (C-term) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	ELISA: 1/1,000. Western blot: 1/100-1/500. Immunohistochemistry: 1/50-1/100.
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	Ig
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	This polyclonal antibody is generated from mice immunized with KLH conjugated synthetic peptides corresponding to C-terminal of human CEM15.
<b>Specificity:</b>	This antibody is specific to CEM15/APOBEC3G (C-term).
<b>Formulation:</b>	PBS containing 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	apolipoprotein B mRNA editing enzyme catalytic subunit 3G
<b>Database Link:</b>	<a href="#">Entrez Gene 60489 Human</a> <a href="#">Q9HC16</a>



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**Background:**

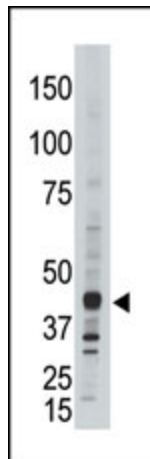
CEM15 is a member of the cytidine deaminase family. It is the product of one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22. Members of the cluster encode proteins that are structurally and functionally related to the C to U RNA-editing cytidine deaminase APOBEC1. It is thought that the proteins may be RNA editing enzymes and have roles in growth or cell cycle control. CEM15 has been found to be a specific inhibitor of human immunodeficiency virus-1 (HIV-1) infectivity.

**Synonyms:**

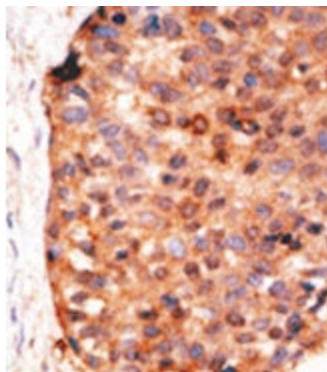
ARP9, CEM15, MDS019, APOBEC-3G, ARCD

**Note:**

Calculated MW: 46408 Da

**Product images:**

Western Blot analysis of anti-CEM15 Pab to detect CEM15 in A375 cell lysate.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.