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## 36-1035: Monoclonal Antibody to HCG-alpha (Pregnancy & Choriocarcinoma Marker)(Clone: HCGa/53)

Clonality: Monoclonal **Clone Name:** HCGa/53 Application: IHC Reactivity: Human Gene: CGA Gene ID: 1081 **Uniprot ID:** P01215 Format: **Purified Alternative Name:** CGA

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Recombinant hCG alpha protein

## **Description**

This MAb reacts with a protein of ~13kDa, identified as alpha sub-unit of HCG. HCG is a glycoprotein, which is secreted in large quantities by normal trophoblasts. It is present only in trace amounts in non-pregnant urine and sera but rises sharply during pregnancy. HCG is composed of two non-identical, non-covalently linked polypeptide chains designated as the alpha and beta subunits. The alpha subunit is identical to that of thyroid stimulating hormone (TSH), follicle stimulating hormone (FSH), and luteinizing hormone (LH).

## **Product Info**

Amount:  $100 \mu g$ 

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

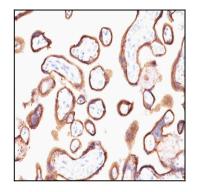
toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(No special pre-treatment is required for staining of formalin-fixed tissues. Note that HIER is NOT recommended for this antibody.)



Formalin-fixed, paraffin-embedded human Placenta stained with hCG alpha Monoclonal Antibody (HCGa/53).