Magic™ Anti-hCG monoclonal antibody, clone N2303093 (DCABY-4455)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

**Antigen Description**
Human chorionic gonadotropin is a glycoprotein hormone produced in pregnancy that is made by the developing embryo after conception and later by the syncytiotrophoblast (part of the placenta).

**Specificity**
hCG

**Immunogen**
hCG antibody was raised in mouse using human Corionic Gonadotropin as the immunogen.

**Isotype**
IgG1

**Source/Host**
Mouse

**Species Reactivity**
Human

**Clone**
N2303093

**Purification**
hCG antibody was purified by Ion exchange chromatography.

**Conjugate**
Unconjugated

**Applications**
ELISA Pr*, Lateral Flow Pr*

Suggested pair for ELISA and Lateral Flow immunoassay (Capture - Detection): DCABY-4455 - DCABY-4454

**Procedure**
Matched Antibody Pairs

**Format**
Liquid

**Size**
1 mg

**Buffer**
Supplied in PBS with 0.09% sodium azide as preservative

**Preservative**
0.09% Sodium Azide

**Storage**
Store at 4 °C for short term storage. For long term storage, aliquot and freeze at -20 °C Avoid repeated freeze/thaw cycles.

GENE INFORMATION

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<table>
<thead>
<tr>
<th><strong>Gene Name</strong></th>
<th>CGA glycoprotein hormones, alpha polypeptide [Homo sapiens]</th>
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<tbody>
<tr>
<td><strong>Official Symbol</strong></td>
<td>CGA</td>
</tr>
<tr>
<td><strong>Synonyms</strong></td>
<td>CGA; glycoprotein hormones, alpha polypeptide; HCG; LHA; FSHA; GPHA; TSHA; GPHA1; CG-ALPHA; glycoprotein hormones alpha chain; FSH-alpha; LSH-alpha; TSH-alpha; lutropin alpha chain; follitropin alpha chain; thyrotropin alpha chain; choriogonadotropin alpha</td>
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<td><strong>Entrez Gene ID</strong></td>
<td>1081</td>
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<td><strong>Protein Refseq</strong></td>
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<td><strong>UniProt ID</strong></td>
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<td><strong>Chromosome Location</strong></td>
<td>6q12-q21</td>
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<tr>
<td><strong>Pathway</strong></td>
<td>Amine-derived hormones; Androgen biosynthesis; Autoimmune thyroid disease; Class A/1; FSH signaling pathway; G alpha signalling events; GPCR downstream signaling; GPCR ligand binding;</td>
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<tr>
<td><strong>Function</strong></td>
<td>hormone activity; protein binding;</td>
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