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Cell surface markers that distinguish human beta cells and alpha cells - Study GBCO3446

Genomics Study Specifications

| | | | | | | | | | |
|----------------------------|---|-------------------|-------|------------|---------|-------------|--|-----------------|--|
| Study Name | Cell surface markers that distinguish human beta cells and alpha cells | | | | | | | | |
| Contact Name | Markus Grompe (Oregon Health and Science University) | | | | | | | | |
| Publication | http://www.ncbi.nlm.nih.gov/pubmed/21882062 | | | | | | | | |
| My Strategies | Return to My Strategies page | | | | | | | | |
| Classification | Tissue expression, surveys and comparisons | | | | | | | | |
| Links |  Biomaterials Graph  ArrayExpress | | | | | | | | |
| BCBC Release Date | August 11, 2009 | | | | | | | | |
| Public Release Date | July 29, 2011 | | | | | | | | |
| Citation | Dorrell C, Schug J, Lin CF, Canaday PS, Fox AJ, Smirnova O, Bonnah R, Streeter PR, Stoeckert CJ, Kaestner KH, Grompe M. Transcriptomes of the major human pancreatic cell types . <i>Diabetologia</i> . 2011. 54:2832-44 | | | | | | | | |
| Synopsis | <div style="border: 1px solid gray; padding: 5px;"> <table border="1"> <tr> <td style="background-color: #f0f0f0;">Study Description</td> <td>Goals</td> </tr> <tr> <td>Approaches</td> <td>Results</td> </tr> <tr> <td colspan="2">Conclusions</td> </tr> <tr> <td colspan="2">Related Studies</td> </tr> </table> <p>The goal of this experiment is to determine cell surface markers that are present in human beta cells or alpha cells but not both. Cells from human islets were FACS sorted and prepared as matched pairs of beta and alpha cells preparations.</p> </div> | Study Description | Goals | Approaches | Results | Conclusions | | Related Studies | |
| Study Description | Goals | | | | | | | | |
| Approaches | Results | | | | | | | | |
| Conclusions | | | | | | | | | |
| Related Studies | | | | | | | | | |
| Platform types | Expression microarray, Expression | | | | | | | | |
| Platforms | Show platform Agilent Whole Human Genome Microarray 4x44K [G4112F] | | | | | | | | |
| Study Design Type | <ul style="list-style-type: none"> cell_type_comparison_design | | | | | | | | |
| Study Factors | Show study factors | | | | | | | | |
| Study Assays | Show study assays | | | | | | | | |


Access to Study Data

This Study Data is publicly available to all users.


Gene List(s)

Use the following form(s) to refine the parameters and add the gene list to a strategy:

Access Status

 This resource is publicly viewable.


Request this Resource


 Request from a repository

Primary contributor: [Grompe Lab](#)

Resource Tags


4x44k, agilent whole human genome microarray, balf2, cdx2, hdac9, hopx, hpa1, hpi2, irx2, irx-2, mafb

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Resource History & Actions

Approved on Aug 11, 2009
Last modified on Aug 07, 2012

 [Login to edit or request an edit](#)

Related resources**BCBC**

No matching resources

Other Consortia

No matching resources

Data courtesy of [dkCOIN](#). Only public resources are displayed.

|Fold Change| Greater Than:

Confidence Level: High Confidence All Results

For a microarray experiment a result with high confidence has a confidence level of at least 80%.

For a ChIP-chip experiment a result with high confidence has a confidence level of at least 90% and all fold changes are positive.

Reference (Denominator): Alpha Cells

[Find Genes](#)

Genome Browser

There are no genome browser tracks currently available for this study.

Lists of Locations

There are no genomic location datasets currently available for this study.

Repositories

Grompe Lab

[Request this resource](#)

Stock #: *Not provided*

Availability Notes: *Not provided*

Comments

There are no comments for this entry.

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